

AllPhase Companies, Incorporated

404-A St. Croix Trail North, Lakeland, MN 55043

Phone: 651-436-2930 Fax: 651-436-3918

May 18, 2011

Cynthia Carlson Heins
Real Estate Manager
Planning and Economic Development
Suite 1100, 25 West 4th Street
Saint Paul, MN 55102

RE: Asbestos Survey
476 Minnehaha Avenue East, St. Paul, MN
1596-11S-Q

Dear Ms. Cynthia Carlson Heins:

AllPhase Companies, Incorporated, (AllPhase) performed an asbestos survey at the above referenced site in connection with a renovation in order to identify Asbestos-Containing Material (ACM), which is a building material with greater than 1 % asbestos. The following report contains the results of the survey performed at the above referenced site.

In summary, 31 samples of building materials were collected and analyzed for asbestos type and amount. Asbestos was detected above 1 percent in **one of the thirty-one samples**. These samples only represent building materials that were collected from the referenced building structure.

Two samples detected asbestos above 0% and less than 1% asbestos.

Friable ACM, is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. (Sec. 61.141)

Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of nonfriable ACM, Category I and Category II nonfriable ACM, which are described later in this guidance.

"Regulated Asbestos-Containing Material" (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Refer to the asbestos Laboratory Report and chain of custody for other building materials tested and their locations. The following samples detected the presence of asbestos greater than 1%:

Friable - Pipe insulation in basement bathroom—2 If

This survey is an attempt to identify ACM. However, there is no guarantee that all potential ACM was identified. If suspect ACM is discovered during the work and is not listed in this or previous limited surveys, work on that portion of the building should cease, the material wetted and covered, and an asbestos inspector brought to the site to sample and submit to a certified laboratory the sample to determine its asbestos content. Pending analytical results, an abatement crew should remove the ACM before work continues.

INTRODUCTION

The scope of our services was to conduct an asbestos survey, which includes collecting a small portion of the building materials and submitting the sample to a certified laboratory for analysis by PLM. Analysis only assesses the portion of building material collected and submitted.

- A. Collect bulk samples of suspect ACMs for laboratory analysis.
- B. Analyze the collected samples for asbestos content.

Minnesota requires surveys to be performed by a Minnesota Certified Inspector. This survey was conducted by David Jenkin – Asbestos Inspector #AI8101.

Samples of suspect ACMs were collected by AllPhase by removing a small portion of the suspect material and then placing the individual samples into separate sealed containers.

DISCLAIMERS

Asbestos surveys do not necessarily succeed in identifying all locations and types of ACM on-site. This is because of the variety of locations and the inconsistency of asbestos occurrence in a given building material. Our survey is based solely upon the building materials that were observed and sampled for analysis. Therefore, if unsampled building materials are encountered during the demolition, they should be assessed on a material-by-material basis. If suspect ACM is observed which has not been listed in our evaluation, it should be collected and evaluated by a certified individual and laboratory, respectively. If there is a potential for that material to be ACM, work should stop until the question of asbestos content and/or abatement is resolved in a manner that protects human health and the environment and abides by regulatory guidelines.

Certain building materials are not considered suspect ACM and are not sampled as part of the survey. These materials include but are not limited to wood, concrete (with exceptions), plastics such as polyethylene, polystyrene and polyvinylchloride, fiberglass, rubber (natural and neoprene—black synthetic), foam insulation, metals and glass.

METHODOLOGY

Building materials were analyzed by a NVLAP-accredited laboratory, #101768-0. Laboratory analysis was conducted in accordance with Environmental Protection Agency (EPA) guidelines. The examination for the presence and identification of asbestos fibers in bulk samples is performed in the laboratory using cross-polarized light microscopy and dispersion-staining, particle-identification techniques. Analysis was performed in accordance with EPA 600/M4-82-020 and EPA 600/R-93/116 where applicable. This methodology determines the presence of asbestos varieties, which include Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite.

REMARKS

Some of the rules and regulations set by the Environmental Protection Agency (EPA) may apply when the existence of ACMs is confirmed. A complete review of these rules can be found in Part 3 of the Federal Register EPA, 40 CFR Part 61. Summaries of these rules are as follows:

According to §61.145 of NESHAPS, friable ACMs must be removed from the site prior to demolition. This includes materials that were originally non-friable but have become friable—that is, Category I & II material—due to damage or deterioration—for example, floor tile that has significant chipping or cracking. The necessity for the removal of Category I and II material is evaluated on a site-by-site basis.

Asbestos Survey
476 Minnehaha Ave. E., St. Paul, Minnesota

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Disturbing ACM may require that the Minnesota Pollution Control Agency and/or the Minnesota Department of Health be notified prior to activities with asbestos.

The environmental services performed by AllPhase's survey crew and analyst for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. No other warranty is intended or implied.

A handwritten signature in black ink, appearing to read 'Rennie Smith', with a stylized flourish at the end.

Rennie Smith, P.G.
Asbestos Inspector (#AI3119)

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Auditor: Steve Youlan

Address: 476 Minnehaha Ave E

Phone: 651-221-4462 x124

Spec ID#	Spec Title	Specification	Location / Notes
200	Replace Boiler with 85% AFUE Hot Water Boiler	Replace existing boiler with a gas fired, 85% AFUE hot water boiler. Installation to include all power & control wiring, a set back thermostat, expansion tank, one circulation pump, water & gas supply & flue piping. The installation is required to maintain a minimum 70 F indoor temperature evenly throughout the conditioned space when outdoor temperature is - 10 F. Remove existing boiler, recycle all metal components and dispose of all other materials in a code legal dump.	
304	Replace Water Heater with Power Vented .65 EF	Replace water heater with a power-vented water heater with an EF of .65 or greater. Include pressure & temperature release valve, discharge tube to within 6" of floor and PVC flue to power vent to exterior.	

500	Seal Attic Bypasses	<p>Contractor shall seal all attic bypasses. Bypasses shall be defined as any break in the envelope of a house between a heated living space and an unheated area or exterior. Bypass locations include, but are not limited to, the following areas: chimneys, soil stacks, end walls, dropped ceilings, open plumbing walls, beneath kneewalls and around duct work, electrical work and attic access points. Bypasses shall be sealed in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Materials to be used for sealing bypasses depend on the size and location of the bypass and meet code requirements. These materials include high quality caulks (20-year life span), polyethylene rod stock, foam, sheetrock, sheet metal, extruded polystyrene and densely packed insulation.</p>	
502	Dense Pack Below Floor and blow above floor to R-50	<p>All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Floored attics shall be blown below floor boards using the Dense Pack Method to a minimum density 3.5 pcf. Blow above floorboards to bring below and above total to R-50 or more.</p>	<p>VERMICULITE under floors. Check for asbestos.</p> <p>Dense pack all floors in side attics.</p>

510	Blow Open Attic to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	
512	Dense Pack Slants to capacity with cellulose	Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Blow Slant walls with cellulose to capacity using the Dense Pack Method to a minimum density 3.5 pcf.	
518	Dense Pack Enclosed kneewalls	All kneewalls shall have a top and bottom plate or blockers installed using a rigid material. If fabric material is used before dense packing, secure it with 1" crown staples every 2" or furring strips every wall stud. If rigid material is used it must cover the entire surface of the accessible kneewall area. If foam sheathing is used, it must be listed for uncovered use in an attic; or covered with an ignition/thermal barrier. Blow kneewalls to capacity using the Dense Pack Method to a minimum density of 3.5 pcf	

520	Insulate Open Kneewalls with Fiberglass Batts	All kneewalls shall have a top and bottom plate or blockers installed using a rigid material. Air seal all joints, cracks and penetrations in finished material including interior surface to framing connections. If fabric material is used before dense packing, secure it with 1" crown staples every 2" or furring strips every wall stud. If rigid material is used it must cover the entire surface of the accessible kneewall area. If foam sheathing is used, it must be listed for uncovered use in an attic; or covered with an ignition/thermal barrier. Insulate all kneewalls to R-19 with encapsulated fiberglass. Insulate and weatherstrip kneewall doors.	
526	Insulate Above Bay Window	Insulate space above bays to capacity. Insulate floor to capacity. Access holes must be patched, plugged and painted as necessary.	Dense pack "eye brow" attic around entire house.
536	Insulate kneewall doors	Insulate kneewall access doors to R-19 and weatherstrip door to provide a tight seal.	Insulate and seal all kneewall doors after insulating side attics.

540	Install additional attic ventilation	Venting shall be placed to minimize its impact on the appearance of the house. Where possible, venting shall be installed so that 50% is located high (roof vents or gable vents) and 50% is located low. All vents shall be screened. Vents cut in roof and/or soffits are to be cut full to proper size. All vents shall be properly installed according to manufacturer's specifications. They shall be correctly flashed and roofing tar applied as necessary to insure a weather-tight seal. Number of vents to be determined by contractor.	
800	Air Seal Rim Joist	Seal cracks and holes in rim joist using caulk, foam or other air tight materials.	
1000	Install ENERGY STAR Rated Kitchen Fan	Install an ENERGY STAR rated exhaust fan connected with insulated rigid ductwork into a dampered vent.	
1010	Install ENERGY STAR Rated 2-stage Bathroom Fan	Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out with dampered roof vent.	
1200	Replace incandescents with CFLs	Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	

1210	Install ENERGY STAR Rated Washing Machine	Connect new ENERGY STAR rated clothes washer sized appropriately for the household. Use braided steel water supply lines and a smooth rubber drain line connected to a 2 inch drain with trap. Remove existing washer, recycle all metal components and dispose of all other materials in a code legal dump.	
1212	Install ENERGY STAR Rated Dishwasher	Install ENERGY STAR rated dishwasher including all alterations and connections to plumbing and electric system. Remove existing dishwasher, recycle all metal components and dispose of all other materials in a code legal dump.	
1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	



May 20, 2011

Rennie Smith
All Phase Companies, Inc.
404A St. Croix Trail North
Lakeland MN 55043

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Single Family Residential Property, 476 Minnehaha Avenue East, St. Paul, Minnesota (All Phase Phone: 651-436-2930)

Dear Rennie Smith:

At your request, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the single family property located at 476 Minnehaha Avenue East, St. Paul, Minnesota, on May 11, 2011.

Andrew Myers, MEC, Minnesota-licensed lead risk assessor (MN LR #578) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using Chapter 5 and the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, *"Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance."* Also included, is an evaluation for lead dust hazards and bare soil hazards as part of the risk assessment.

SITE DESCRIPTION

The single family residential property located at 476 Minnehaha Avenue East, St. Paul, Minnesota is a two story plus wood framed stuccoed structure on a concrete foundation/basement constructed in approximately the early 1900's. The exterior fascia, soffits and trim are wood. The window systems are primarily double hung wood windows. The converted attic has newer vintage vinyl windows. The interior walls &

ceiling are primarily plaster. There was a locked porch off the kitchen which was not accessible on the day of the site evaluation.

Bare soil was present on the day of the site evaluation and a bare soil sample was collected.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303 X-Ray Fluorescence Spectrum Analyzer (Serial # 13754), resourced in January 2011.

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of $1.0 \text{ mg}/\text{cm}^2$ when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available

to you upon request.

Side A: North, adjoins Minnehaha Avenue East
Side B: East, adjoins a vacant lot & Burr Street
Side C: South, adjoins residential property
Side D: West, adjoins a vacant lot

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm²) are listed below:

LOCATION	COMPONENT
Den	All painted wood exterior window sashes
Den	All painted wood window parting bead
Kitchen	All painted wood window parting beads
Kitchen	Painted metal radiator
Kitchen	Painted plaster walls
Basement stairway	Painted wood door casing
Basement stairway	Painted wood stair riser
Basement stairway	Painted wood corner trim
Basement - Electrical Rm	All painted wood cellar window components
Basement - Furnace Rm	Painted concrete wall
Basement - Furnace Rm	All painted wood cellar window components
Basement - Main Room	All painted wood cellar window components
Bathroom - Floor 2	All painted plaster walls
Bedroom 1	All painted wood window parting bead/exterior components
Bedroom 3	All painted wood window trough/exterior components
Bedroom 4	All painted wood window parting bead/exterior components
Exterior	All painted wood doors and door components
Exterior	All painted wood window components

Exterior	All painted wood trim
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Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through use of an owner-occupant interview in conjunction with visual inspection of the dwelling; and reviewing paint test data, interview responses and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately the early 1900's.
- The property is single family residential structure.
- Original window double hung window systems are present with newer vinyl windows in the converted attic space.
- There is a porch off of the kitchen which was locked and not accessible and should be assumed to contain lead-based paint until it is tested.
- Interior walls & ceilings are primarily plaster with some areas of drywall.
- The property is currently vacant.
- Bare soil was present.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the exterior of the structure is mainly in poor condition with some components in intact or fair condition. Interior components are generally in poor condition with some components in intact or fair condition. Many components in the basement level were in poor condition.

Please note, however, the condition report within the XRF table for painted or varnished

surfaces found to be fair or poor, that were below the 1.0 mg/cm² action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water samples were not collected as they were not part of the scope of work for this project. Bare soil was observed around the foundation on the day of the site visit and a bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/0511A-W1 5/11/11	Entry, Side A, floor	16 µg/ft ²	40 µg/ft ²
502/0511A-W2 5/11/11	Kitchen, Side B, floor	23 µg/ft ²	40 µg/ft ²
502/0511A-W3 5/11/11	Kitchen, Side C, window stool	240 µg/ft ²	250 µg/ft ²
502/0511A-W4 5/11/11	Basement, Main Room, floor, middle	<10 µg/ft ²	40 µg/ft ²
502/0511A-W5 5/11/11	Bedroom 3, Side C, floor	<10 µg/ft ²	40 µg/ft ²
502/0511A-W6 5/11/11	Bedroom 3, Side C, window trough	7,700 µg/ft ²	400 µg/ft ²
502/0511A-W7 5/11/11	Attic Bedroom, Side A, window stool	<40 µg/ft ²	250 µg/ft ²
502/051A-W8 5/11/11	Attic Bedroom, Side A, floor	<10 µg/ft ²	40 µg/ft ²

502/0511A-W9 5/11/11	Blind Field Blank	<10 µg/ft ²	-----
502/0511A-S1 5/11/11	Bare Soil - Foundation	540 ppm	100 ppm

* Unit Abbreviations: µg/ft² - micrograms per square foot
 ppm: parts per million

Dust wipe and bare soil samples were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including original vintage wood window components, including cellar windows; interior & exterior painted wood door components, metal radiator; plaster walls; painted concrete walls; exterior wood soffits & trim, stairway riser.

Den:

- All painted wood window components: In poor condition. At a minimum, stabilize surfaces, correct any friction or impact surfaces, repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove window components using lead safe work practices and replace with new lead free window components. May enclose exterior with low maintenance cladding and include into an operation & maintenance plan with ongoing monitoring. May remove coatings to bare wood, prime & repaint with lead free coatings.

Kitchen:

- All painted wood window parting bead & exterior components: In poor condition. At a minimum, stabilize surfaces, correct any friction or impact surfaces, repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove window components using lead safe work practices and replace with new lead free window components. May remove coatings to bare wood, prime & repaint with lead free coatings.
- Painted metal radiator: In poor condition. At a minimum, stabilize surfaces, prime & repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. May remove coatings to bare surfaces, prime & repaint with lead free coatings. May remove radiator and replace with new lead free product. May stabilize surfaces, encapsulate or enclose behind a permanent radiator cover and include into an operation & maintenance plan with ongoing monitoring.

- All painted plaster walls: In fair to intact condition. At a minimum, stabilized surfaces, prime & repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. May remove wall systems and replace with new lead free components. May encapsulate or enclose and include into an operation & maintenance plan with ongoing monitoring.

Basement - Stairway:

- Painted wood door casing & associated components: In poor condition. At a minimum stabilize surfaces, correct any friction or impact surfaces or impact surfaces, repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove door components using lead safe work practices and replacing with new lead free door components. May remove coatings to bare wood, correct friction surfaces, prime & repaint with lead free coatings.

Basement - (Electrical Room, Furnace Room, Main Room):

- All painted wood cellar windows & components: In poor condition. At a minimum, stabilize surfaces, correct any friction or impact surfaces, prime & repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove window systems and replace with new lead free window systems. May remove coatings to bare wood, prime & repaint with lead free coatings.

Basement - Furnace Room

- Painted concrete wall (Side B): In poor condition. At a minimum, stabilize surfaces, prime & repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. May enclose or encapsulate and include into an operation & maintenance plan with ongoing monitoring. May remove coatings to bare surface, prime & repaint with lead free coatings.

Basement Stairway:

- Painted wood riser & corner trim: In poor to intact condition. At a minimum, stabilize surfaces, correct impact surfaces, prime & repaint with lead free coatings. Best option would be to remove deteriorated components and replace with new lead free components. May stabilize coatings, correct impact surfaces, enclose and include into an operation & maintenance plan with ongoing monitoring.

Bathroom - Floor 2:

- Painted plaster walls: In poor condition. At a minimum, stabilized surfaces, prime & repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. May remove wall systems and replace with new

lead free components. May encapsulate or enclose and include into an operation & maintenance plan with ongoing monitoring.

Bedrooms - Floor 2:

- All painted wood window components: In poor condition. At a minimum, stabilize surfaces, correct any friction & impact surfaces, repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove window components using lead safe work practices and replace with new lead free window components. May enclose exterior with low maintenance cladding and include into an operation & maintenance plan with ongoing monitoring. May remove coatings to bare wood, prime & repaint with lead free coatings.

Exterior:

- All painted wood soffits & trim: In poor condition. At a minimum, stabilize surfaces, prime & repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. May remove coatings to bare wood, prime & repaint with lead free coatings. May enclose or encapsulate and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove components using lead safe work practices and replacing with new lead free components.
- All painted wood door & door components: In poor to intact condition. At a minimum, stabilize surfaces, correct any friction or impact surfaces or impact surfaces, repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove door & components using lead safe work practices and replacing with new lead free door components. May remove coatings to bare wood, correct friction surfaces, prime & repaint with lead free coatings.
- All painted wood window components: In poor to intact condition. At a minimum, stabilize surfaces, correct any friction or impact surfaces, repaint with lead free coatings and include into an operation & maintenance plan with ongoing monitoring. Best option would be to remove window components using lead safe work practices and replace with new lead free window components. May enclose with low maintenance cladding and include into an operation & maintenance plan with ongoing monitoring. May remove coatings to bare wood, prime & repaint with lead free coatings.

Lead Dust:

- Dust was identified as a lead hazard on window systems tested. All window and systems will need to be cleaned with a good household detergent and wet methods. All window systems should be made smooth and cleanable. If planned

renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and clearance testing.

Bare Soil:

- A bare soil sample was collected for lead and found to be above the MDH standard of 100 parts per million. Remove all visible paint chips & debris. Bare soil should be covered using interim controls, such as sod, seed, plants, aggregate, or other material. It may also be covered permanently using asphalt or concrete. If bare soil remains following renovation of the exterior, it will be required to be sampled as part of the clearance evaluation

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm² was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important, as bare soil is present and was found to be above the MDH defined action level. If bare soil remains following the renovation project, it will be tested for lead contamination as part of the lead clearance evaluation.

Dust wipe samples collected found lead dust levels above the action levels on window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration and pathways to work areas.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm² threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately \$75.00 to \$250.00 per room.
- Window replacement, approximately \$150.00 and up, depending on style.
- Exterior preparation approximately \$35.00 to \$75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: \$0.15 to \$0.35 per square foot.
- Paint stabilization: \$0.20 to \$0.65 per square foot.
- Removal: Paint - chemical stripper: \$0.65 to \$1.50 square foot.
- Soil Remediation:
 - a. Clean-up of visible exterior paint chips: \$0.90 to \$1.35 square foot.
 - b. Seed and tack grass: \$0.45 to \$0.75 square foot.
 - c. Sod: \$1.25 to \$3.30 square foot.
 - d. Regrade at foundation and sod: \$3.00 to \$5.00 square foot.
 - e. Mulch - 4": \$0.50 to \$0.90 square foot.
 - f. Concrete: \$4.50 to \$8.00 square foot.
 - g. Replace soil: \$42.00 to \$65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licensed or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,



Andrew Myers
Environmental Project Manager

APPENDIX A
INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC

145 2nd Ave SE

Cambridge, Minnesota 55008

in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200,
to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551

Expires 03/28/2012

This certificate is nontransferable.



Linda B. Bruemmer, Director
Division of Environmental Health



LEAD
Risk Assessor

Licensed by:

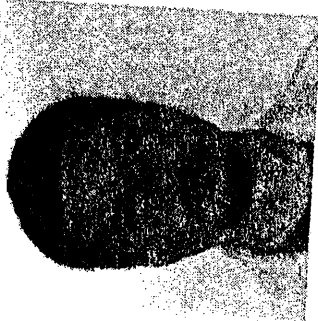
State of Minnesota
Department of Health

License No. LR578

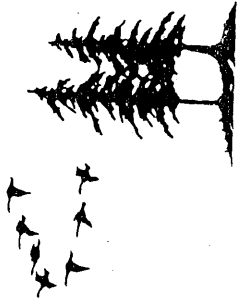
Expires 08/26/2011

Andrew J Myers

26005 Vergus Ave
New Prague, MN 56071



Andrew J. Myers
Director, Env Health Div



Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 26, 2010

given by

Midwest Environmental Consulting, L.L.C.

145 - 2nd Avenue SE, Cambridge, MN 55008

Phone: 763 691 0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 26, 2010, IN CAMBRIDGE, MINNESOTA

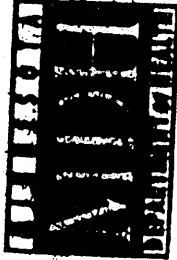
IDENTIFICATION NUMBER: MEC/LRAR 0770

Expiration Date: August 26, 2011

MDH Permit Number: RAR-006


Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700



I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001
Morris, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota-Approved Lead Training Coursework

Initial Lead Inspector Training
March 12-14, 2001

given by

Midwest Environmental Consulting, LLC
145 - 2ND Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, IN MORRIS, MINNESOTA

IDENTIFICATION NUMBER: 0054110052
Expiration Date: March 14, 2002
Ident Permit No: LI-003


Course Director



RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

June 26, 2001

Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom

Commissioner

A handwritten signature in cursive script, reading "Patricia A. Bloomgren".

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead-Based Paint Risk Assessor Training

June 25-26, 2001

given by

Midwest Environmental Consulting, LLC
145 - 2nd Avenue SE, Cambridge, MN 55008

• SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 26, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: **MEC/LPA 0111**

Expiration Date: **June 26, 2002**

PAINT RISK ASSESSOR

Andrew J. Myers
Course Director

APPENDIX B

**XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA**

Drawing Not
To Scale

Residential

2K

C

spotty
Bare
Soil

locked
porch

476 minnehaha

D vacant
lot

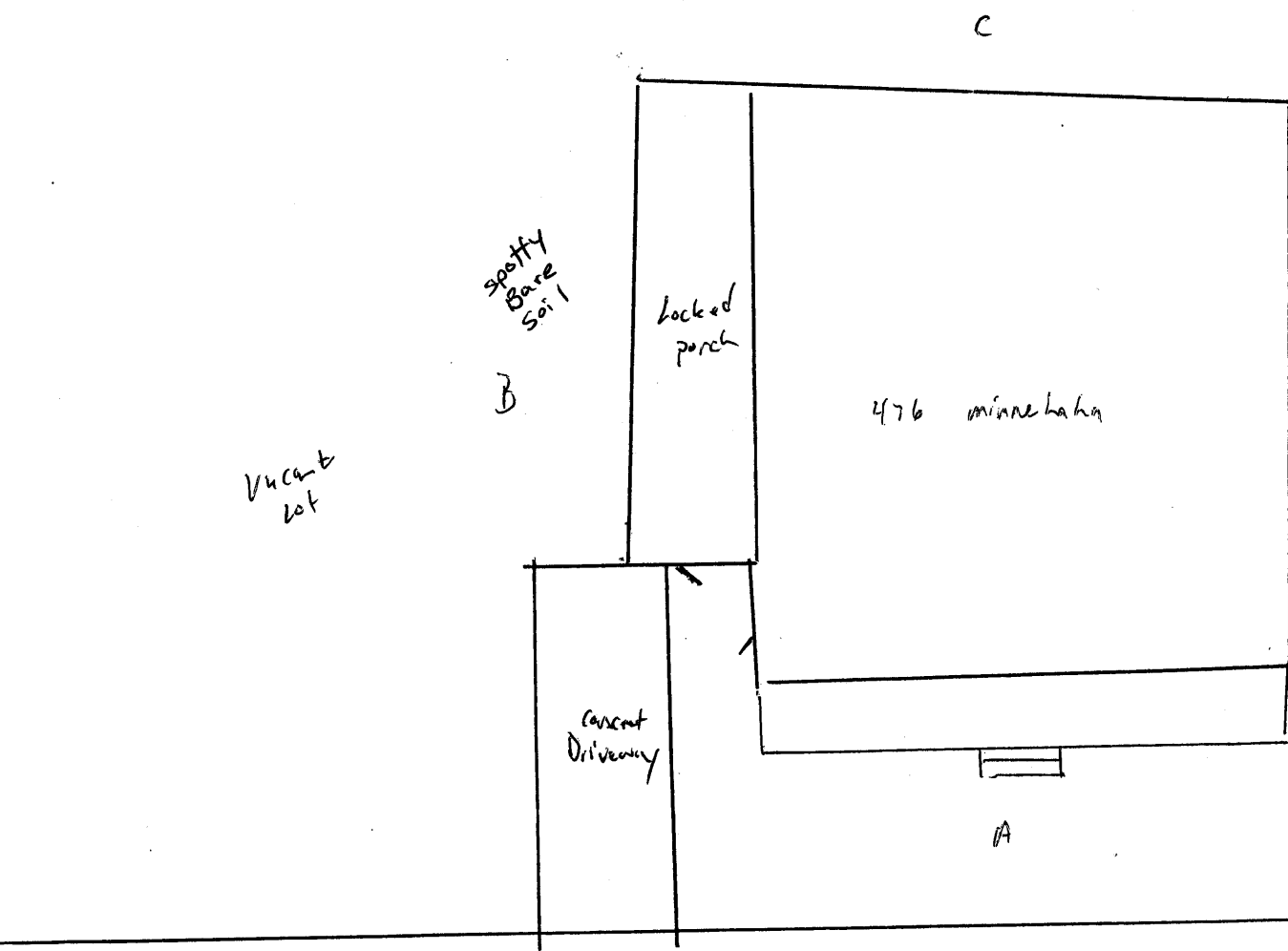
vacant
lot

B

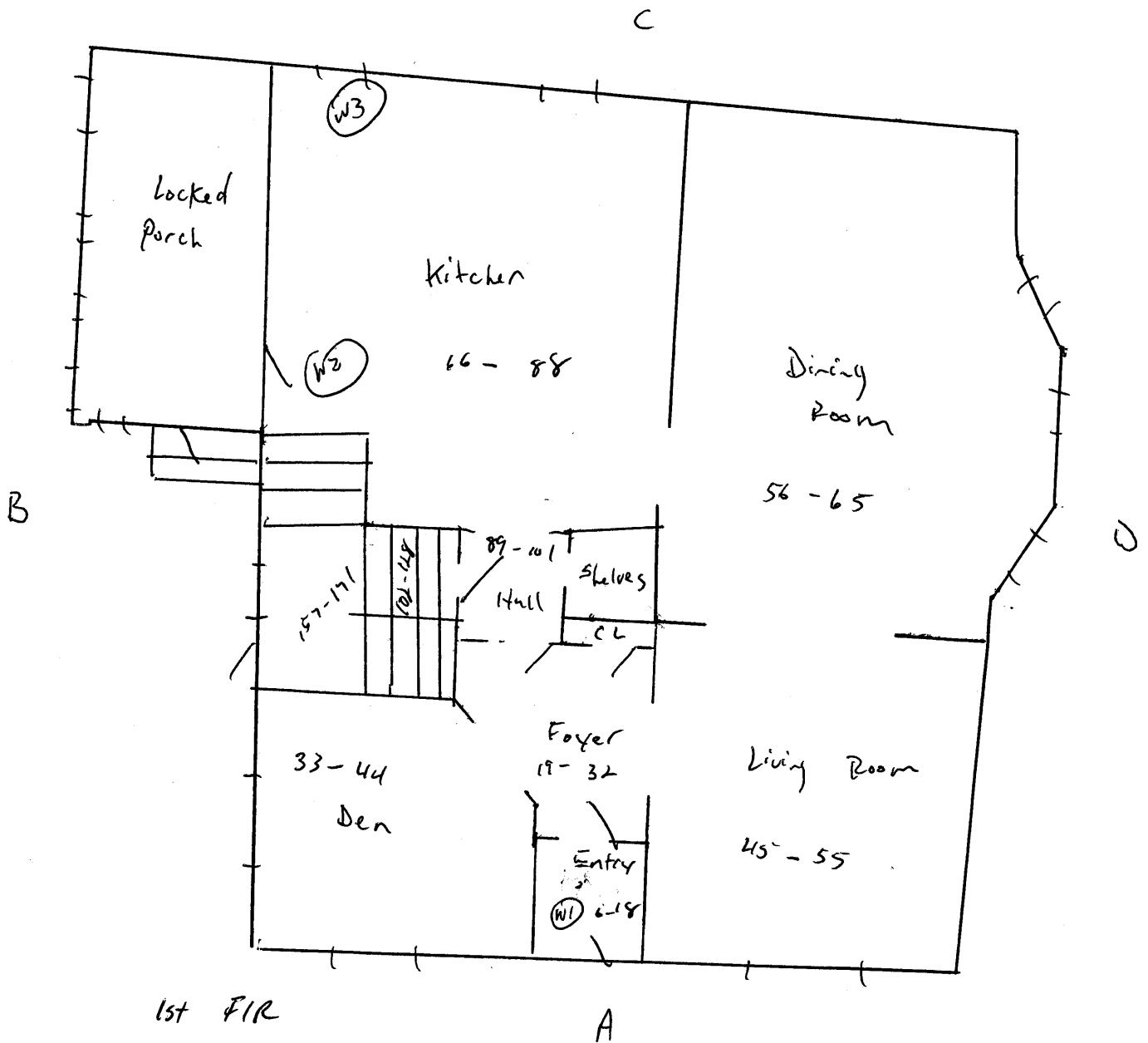
concrete
driveway

A

minnehaha Ave East

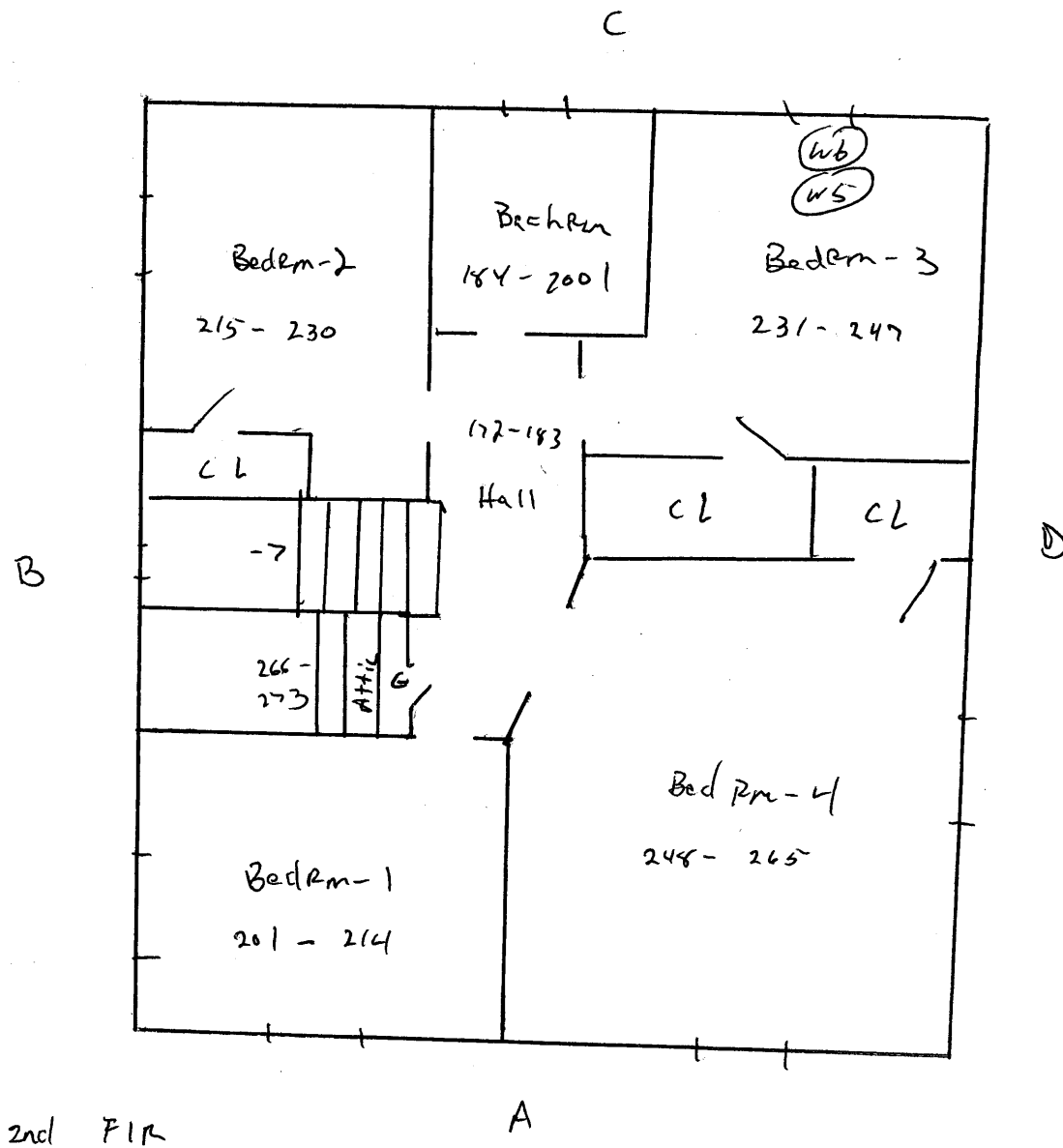


476 Minnehaha Ave East
St. Paul MN



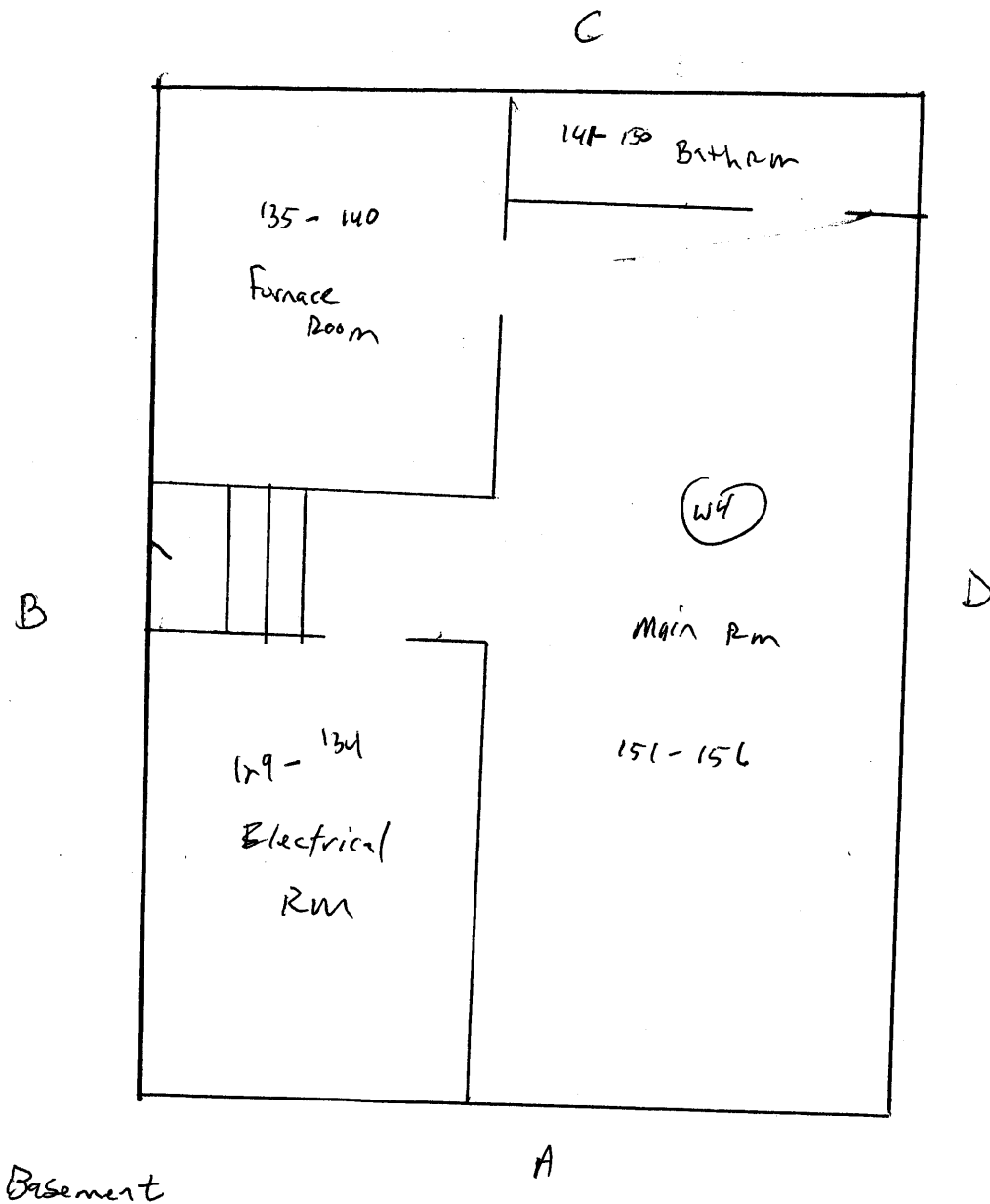
Drawing Not to Scale

476 Minnehaha Ave East
St. Paul MN



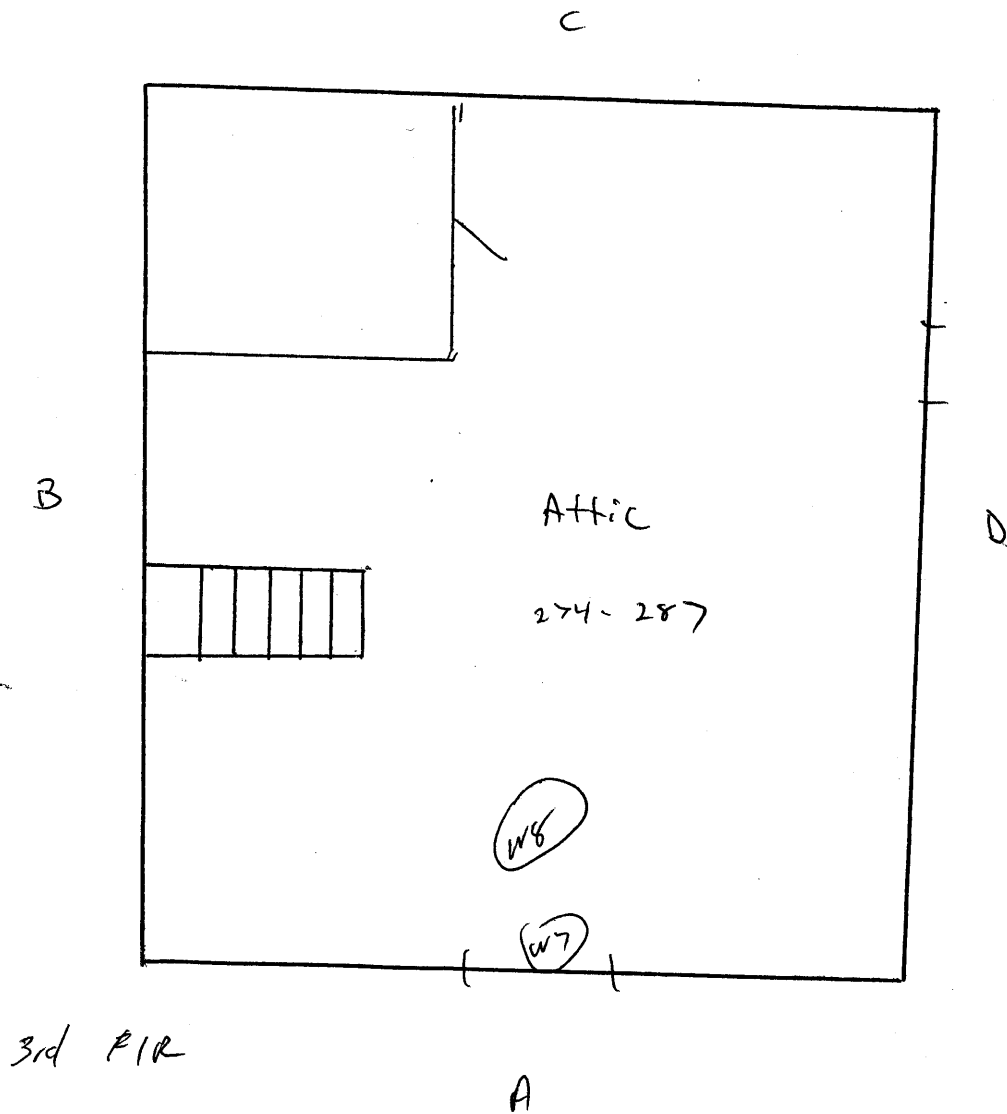
Drawing Not
To Scale

476 Minnehaha Ave East
St. Paul MN



Drawing Not to Scale

476 McAnahy Ave East
St. Paul MN



Drawing Not to Scale

All Phase Companies
476 Minnehaha Ave. E.
St. Paul MN

Site: All Phase Companies, 476 Minnehaha Ave. E., St. Paul MN																	
Date: May 11, 2011																	
XRF: Xlp 303A, Serial # 13754																	
Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	1	5/11/2011 10:35									POS	7.68	0.89	0.03	68.2	AM	
476 Minnehaha Ave E	2	5/11/2011 10:36					calibrate					1.1	1.1	0.6	15.08	1.11	AM
476 Minnehaha Ave E	3	5/11/2011 10:37					calibrate				Null	1	1	0.7	15.58	1.02	AM
476 Minnehaha Ave E	4	5/11/2011 10:37					calibrate				POS	1.1	1.1	0.6	16.12	1.13	AM
476 Minnehaha Ave E	5	5/11/2011 10:38					calibrate				POS	1.1	1.1	0.7	16.09	1.07	AM
476 Minnehaha Ave E	6	5/11/2011 10:39	1	ENTRY	A		DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.21	1.14	AM
476 Minnehaha Ave E	7	5/11/2011 10:40	1	ENTRY	A		DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.22	6.8	AM
476 Minnehaha Ave E	8	5/11/2011 10:40	1	ENTRY	C		DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.22	3.72	AM
476 Minnehaha Ave E	9	5/11/2011 10:41	1	ENTRY	C		DOOR JAMB	WOOD	POOR	WHITE	Neg	0.19	0.19	< LOD	5.18	3.98	AM
476 Minnehaha Ave E	10	5/11/2011 10:41	1	ENTRY	C		DOOR JAMB	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.32	1.9	AM
476 Minnehaha Ave E	11	5/11/2011 10:42	1	ENTRY	C		DOOR	WOOD	FAIR	Varnish	Neg	< LOD	< LOD	< LOD	5.23	1	AM
476 Minnehaha Ave E	12	5/11/2011 10:42	1	ENTRY	D		BASEBOARD	WOOD	POOR	WHITE	Neg	0.14	0.14	< LOD	5.73	2.37	AM
476 Minnehaha Ave E	13	5/11/2011 10:43	1	ENTRY			FLOOR	VINYL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	7.76	1	AM
476 Minnehaha Ave E	14	5/11/2011 10:44	1	ENTRY			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.18	1.67	AM
476 Minnehaha Ave E	15	5/11/2011 10:45	1	ENTRY	A		WALL	PLASTER	INTACT	TAN	Neg	< LOD	< LOD	< LOD	6.75	1.23	AM
476 Minnehaha Ave E	16	5/11/2011 10:45	1	ENTRY	B		WALL	PLASTER	INTACT	TAN	Neg	< LOD	< LOD	< LOD	7.29	1.51	AM
476 Minnehaha Ave E	17	5/11/2011 10:46	1	ENTRY	C		WALL	PLASTER	INTACT	TAN	Neg	< LOD	< LOD	< LOD	7.26	1	AM
476 Minnehaha Ave E	18	5/11/2011 10:46	1	ENTRY	D		WALL	PLASTER	INTACT	TAN	Neg	< LOD	< LOD	< LOD	6.75	1	AM
476 Minnehaha Ave E	19	5/11/2011 10:49	1	FOYER	A		DOOR	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.2	2.42	AM
476 Minnehaha Ave E	20	5/11/2011 10:49	1	FOYER	A		DOOR CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.22	2.32	AM
476 Minnehaha Ave E	21	5/11/2011 10:50	1	FOYER	D		DOOR CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	22	5/11/2011 10:50	1	FOYER	D		BASEBOARD	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.18	1	AM
476 Minnehaha Ave E	23	5/11/2011 10:51	1	FOYER	C		CLOSET DOOR	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.23	1	AM
476 Minnehaha Ave E	24	5/11/2011 10:51	1	FOYER	C		Cist Door Jamb	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.21	1	AM
476 Minnehaha Ave E	25	5/11/2011 10:52	1	FOYER	C		Closet Baseboard	WOOD	INTACT	WHITE	Neg	0.09	0.09	< LOD	8.84	1.4	AM
476 Minnehaha Ave E	26	5/11/2011 10:53	1	FOYER	C		Cist Shelf Support	WOOD	INTACT	WHITE	Neg	0.12	0.12	< LOD	4.69	2	AM
476 Minnehaha Ave E	27	5/11/2011 10:53	1	FOYER	C		CLOSET WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.22	6.66	AM
476 Minnehaha Ave E	28	5/11/2011 10:54	1	FOYER	A		WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.75	1.05	AM
476 Minnehaha Ave E	29	5/11/2011 10:55	1	FOYER	B		WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.78	4.2	AM
476 Minnehaha Ave E	30	5/11/2011 10:55	1	FOYER	C		WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.74	1	AM
476 Minnehaha Ave E	31	5/11/2011 10:55	1	FOYER	D		WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.32	1	AM
476 Minnehaha Ave E	32	5/11/2011 10:56	1	FOYER			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.22	1.54	AM
476 Minnehaha Ave E	33	5/11/2011 10:57	1	DEN			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.75	1	AM
476 Minnehaha Ave E	34	5/11/2011 10:59	1	DEN	B		RADIATOR	METAL	INTACT	GOLD	Neg	< LOD	< LOD	< LOD	5.72	2.67	AM
476 Minnehaha Ave E	35	5/11/2011 11:00	1	DEN	D		DOOR CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.21	1.33	AM
476 Minnehaha Ave E	36	5/11/2011 11:00	1	DEN	D		BASEBOARD	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.21	2.74	AM

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	37	5/11/2011 11:01	1	DEN		A	WINDOW CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	8.84	1.43	AM
476 Minnehaha Ave E	38	5/11/2011 11:01	1	DEN		A	WINDOW SASH	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	8.85	1.05	AM
476 Minnehaha Ave E	39	5/11/2011 11:02	1	DEN		A	Wdw Sash Ext.	WOOD	POOR	Brown	POS	7.2	8	7.2	4.7	1.76	AM
476 Minnehaha Ave E	40	5/11/2011 11:03	1	DEN		A	Wdw Part. Bead	WOOD	POOR	Brown	POS	7.3	7.5	7.3	8.33	1.7	AM
476 Minnehaha Ave E	41	5/11/2011 11:07	1	DEN		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	11.45	2.49	AM
476 Minnehaha Ave E	42	5/11/2011 11:07	1	DEN		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.75	3.81	AM
476 Minnehaha Ave E	43	5/11/2011 11:07	1	DEN		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.77	1.75	AM
476 Minnehaha Ave E	44	5/11/2011 11:08	1	DEN		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.28	1.8	AM
476 Minnehaha Ave E	45	5/11/2011 11:09	1	Living Room		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.27	1	AM
476 Minnehaha Ave E	46	5/11/2011 11:09	1	Living Room		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.76	1.22	AM
476 Minnehaha Ave E	47	5/11/2011 11:10	1	Living Room		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.28	1	AM
476 Minnehaha Ave E	48	5/11/2011 11:10	1	Living Room		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.76	4.96	AM
476 Minnehaha Ave E	49	5/11/2011 11:16	1	Living Room		A	WINDOW CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.2	1.28	AM
476 Minnehaha Ave E	50	5/11/2011 11:18	1	Living Room		A	WINDOW SASH	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.18	1	AM
476 Minnehaha Ave E	51	5/11/2011 11:19	1	Living Room		A	WINDOW SILL	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	52	5/11/2011 11:19	1	Living Room		A	BASEBOARD	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.23	1.96	AM
476 Minnehaha Ave E	53	5/11/2011 11:20	1	Living Room		C	DOOR CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.73	1	AM
476 Minnehaha Ave E	54	5/11/2011 11:21	1	Living Room		D	RADIATOR	METAL	INTACT	GOLD	Neg	< LOD	< LOD	< LOD	5.22	1.34	AM
476 Minnehaha Ave E	55	5/11/2011 11:23	1	Living Room			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.77	10	AM
476 Minnehaha Ave E	56	5/11/2011 11:27	1	DINING RM			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	57	5/11/2011 11:27	1	DINING RM		A	WALL	PLASTER	FAIR	Yellow	Neg	< LOD	< LOD	< LOD	7.8	1.8	AM
476 Minnehaha Ave E	58	5/11/2011 11:28	1	DINING RM		B	WALL	PLASTER	FAIR	Yellow	Neg	< LOD	< LOD	< LOD	6.21	1	AM
476 Minnehaha Ave E	59	5/11/2011 11:28	1	DINING RM		C	WALL	PLASTER	FAIR	GREEN	Neg	< LOD	< LOD	< LOD	5.73	1.12	AM
476 Minnehaha Ave E	60	5/11/2011 11:28	1	DINING RM		D	WALL	PLASTER	FAIR	Yellow	Neg	< LOD	< LOD	< LOD	6.73	1.22	AM
476 Minnehaha Ave E	61	5/11/2011 11:29	1	DINING RM		D	RADIATOR	METAL	FAIR	GOLD	Neg	< LOD	< LOD	< LOD	5.26	1	AM
476 Minnehaha Ave E	62	5/11/2011 11:30	1	DINING RM		D	BASEBOARD	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.22	1	AM
476 Minnehaha Ave E	63	5/11/2011 11:31	1	DINING RM		D	WINDOW CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	6.73	1.11	AM
476 Minnehaha Ave E	64	5/11/2011 11:31	1	DINING RM		D	SASH	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.22	1.11	AM
476 Minnehaha Ave E	65	5/11/2011 11:32	1	DINING RM		B	DOOR CASING	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.74	1.39	AM
476 Minnehaha Ave E	66	5/11/2011 11:33	1	KITCHEN		A	DOOR CASING	WOOD	POOR	Varnish	Neg	0.1	0.1	< LOD	5.19	1	AM
476 Minnehaha Ave E	67	5/11/2011 11:34	1	KITCHEN		B	DOOR CASING	WOOD	POOR	Varnish	Neg	0.13	0.13	< LOD	8.84	1.2	AM
476 Minnehaha Ave E	68	5/11/2011 11:34	1	KITCHEN		B	DOOR	WOOD	POOR	Varnish	Neg	0.11	0.11	< LOD	5.22	1.15	AM
476 Minnehaha Ave E	69	5/11/2011 11:34	1	KITCHEN		B	CABINET	WOOD	INTACT	Varnish	Neg	< LOD	< LOD	< LOD	5.17	1	AM
476 Minnehaha Ave E	70	5/11/2011 11:35	1	KITCHEN		C	WINDOW CASING	WOOD	POOR	Varnish	Neg	0.12	0.12	< LOD	4.69	1.03	AM
476 Minnehaha Ave E	71	5/11/2011 11:35	1	KITCHEN		C	WINDOW SASH	WOOD	POOR	Varnish	Neg	0.17	0.17	< LOD	4.68	1.07	AM
476 Minnehaha Ave E	72	5/11/2011 11:36	1	KITCHEN		C	Wdw Part. Bead	WOOD	POOR	Brown	POS	9.5	3.8	9.5	4.15	1.77	AM
476 Minnehaha Ave E	73	5/11/2011 11:37	1	KITCHEN		C	BASEBOARD	VINYL	INTACT	TAN	Neg	< LOD	< LOD	< LOD	9.31	3.6	AM
476 Minnehaha Ave E	74	5/11/2011 11:38	1	KITCHEN			FLOOR	TILE	INTACT	GREEN	Neg	< LOD	< LOD	< LOD	5.23	1.11	AM
476 Minnehaha Ave E	75	5/11/2011 11:38	1	KITCHEN		C	RADIATOR	METAL	POOR	Brown	POS	1.8	1	1.8	7.81	6.02	AM
476 Minnehaha Ave E	76	5/11/2011 11:39	1	KITCHEN		C	RADIATOR	METAL	POOR	Brown	Neg	< LOD	< LOD	< LOD	2.6	3.5	AM

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	77	5/11/2011 11:39	1	KITCHEN		C	RADIATOR	METAL	POOR	Brown	Neg	0.6	0.6	1.4	4.69	3.8	AM
476 Minnehaha Ave E	78	5/11/2011 11:40	1	KITCHEN		C	RADIATOR	METAL	POOR	Brown	Neg	< LOD	< LOD	< LOD	2.09	3.24	AM
476 Minnehaha Ave E	79	5/11/2011 11:40	1	KITCHEN		C	RADIATOR	METAL	POOR	Brown	Null	< LOD	< LOD	< LOD	2.08	4.21	AM
476 Minnehaha Ave E	80	5/11/2011 11:40	1	KITCHEN		C	RADIATOR	METAL	POOR	Brown	Neg	0.6	0.6	< LOD	6.25	5.06	AM
476 Minnehaha Ave E	81	5/11/2011 11:41	1	KITCHEN		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.23	1	AM
476 Minnehaha Ave E	82	5/11/2011 11:41	1	KITCHEN		B	WALL	PLASTER	INTACT	WHITE	POS	8.5	6.5	8.5	5.21	10	AM
476 Minnehaha Ave E	83	5/11/2011 11:42	1	KITCHEN		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.35	3.16	AM
476 Minnehaha Ave E	84	5/11/2011 11:42	1	KITCHEN		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.76	1.84	AM
476 Minnehaha Ave E	85	5/11/2011 11:43	1	KITCHEN		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	5.69	1	AM
476 Minnehaha Ave E	86	5/11/2011 11:43	1	KITCHEN		B	WALL	PLASTER	FAIR	WHITE	POS	10.8	4	10.8	5.21	10	AM
476 Minnehaha Ave E	87	5/11/2011 11:43	1	KITCHEN			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	0.8	5.69	1	AM
476 Minnehaha Ave E	88	5/11/2011 11:44	1	KITCHEN			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	6.75	1	AM
476 Minnehaha Ave E	89	5/11/2011 11:45	1	HALL			CEILING	PLASTER	FAIR	WHITE	Null	< LOD	< LOD	< LOD	0.52	1	AM
476 Minnehaha Ave E	90	5/11/2011 11:45	1	HALL			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	6.21	1	AM
476 Minnehaha Ave E	91	5/11/2011 11:46	1	HALL		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.72	3.93	AM
476 Minnehaha Ave E	92	5/11/2011 11:46	1	HALL		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.14	1	AM
476 Minnehaha Ave E	93	5/11/2011 11:46	1	HALL		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.21	1	AM
476 Minnehaha Ave E	94	5/11/2011 11:46	1	HALL		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.71	5.22	AM
476 Minnehaha Ave E	95	5/11/2011 11:47	1	HALL		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.72	1.02	AM
476 Minnehaha Ave E	96	5/11/2011 11:48	1	HALL		D	SHELF	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.19	1.19	AM
476 Minnehaha Ave E	97	5/11/2011 11:49	1	HALL		A	DOOR	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	4.67	1.47	AM
476 Minnehaha Ave E	98	5/11/2011 11:49	1	HALL		A	DOOR CASING	WOOD	POOR	Varnish	Null	< LOD	< LOD	< LOD	0.51	1.44	AM
476 Minnehaha Ave E	99	5/11/2011 11:49	1	HALL		A	DOOR CASING	WOOD	POOR	Varnish	Neg	0.06	0.06	< LOD	5.18	1	AM
476 Minnehaha Ave E	100	5/11/2011 11:50	1	HALL		B	DOOR CASING	WOOD	POOR	Varnish	Neg	0.12	0.12	< LOD	5.18	1.19	AM
476 Minnehaha Ave E	101	5/11/2011 11:50	1	HALL		B	DOOR	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	5.2	1.04	AM
476 Minnehaha Ave E	102	5/11/2011 11:52	0	STAIR		D	DOOR	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	5.19	1	AM
476 Minnehaha Ave E	103	5/11/2011 11:53	0	STAIR		D	DOOR CASING	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	8.81	1	AM
476 Minnehaha Ave E	104	5/11/2011 11:54	0	STAIR		B	DOOR CASING	WOOD	POOR	Brown	POS	20.7	10.1	20.7	4.67	1.97	AM
476 Minnehaha Ave E	105	5/11/2011 11:55	0	STAIR		B	DOOR	METAL	POOR	Brown	Neg	< LOD	< LOD	< LOD	4.67	1	AM
476 Minnehaha Ave E	106	5/11/2011 11:57	0	STAIR		B	DOOR THRESHOLD	Concrete	POOR	Brown	Neg	0.06	0.06	< LOD	7.28	1.66	AM
476 Minnehaha Ave E	107	5/11/2011 11:58	0	STAIR		B	WINDOW SILL	WOOD	POOR	WHITE	Neg	0.4	0.4	< LOD	3.62	3.59	AM
476 Minnehaha Ave E	108	5/11/2011 11:58	0	STAIR		B	WINDOW SILL	WOOD	POOR	WHITE	Neg	0.4	0.4	< LOD	6.76	5.57	AM
476 Minnehaha Ave E	109	5/11/2011 11:58	0	STAIR		B	WINDOW CASING	WOOD	POOR	WHITE	Null	0.7	0.7	1	6.24	10	AM
476 Minnehaha Ave E	110	5/11/2011 11:58	0	STAIR		B	WINDOW CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.61	6.28	AM
476 Minnehaha Ave E	111	5/11/2011 11:59	0	STAIR		B	WINDOW CASING	WOOD	POOR	WHITE	Neg	0.3	0.3	< LOD	6.25	4.61	AM
476 Minnehaha Ave E	112	5/11/2011 11:59	0	STAIR		B	WINDOW SASH	WOOD	POOR	WHITE	Neg	0.3	0.3	1	7.27	4.74	AM
476 Minnehaha Ave E	113	5/11/2011 11:59	0	STAIR		B	WINDOW SASH	WOOD	POOR	WHITE	Neg	0.26	0.26	0.8	7.29	4.24	AM
476 Minnehaha Ave E	114	5/11/2011 12:00	0	STAIR		C	BASEBOARD	WOOD	POOR	WHITE	Neg	0.7	0.7	0.9	11.44	2.05	AM
476 Minnehaha Ave E	115	5/11/2011 12:00	0	STAIR		C	BASEBOARD	WOOD	POOR	WHITE	Neg	0.5	0.5	< LOD	7.25	4.07	AM
476 Minnehaha Ave E	116	5/11/2011 12:01	0	STAIR		C	HAND RAIL	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	8.85	1	AM

All Phase Companies
476 Minnehaha Ave. E.
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbI	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	117	5/11/2011 12:01	0	STAIR		A	HAND RAIL	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	5.2	3.2	AM
476 Minnehaha Ave E	118	5/11/2011 12:02	0	STAIR		D	TREAD	WOOD	POOR	GREY	Neg	< LOD	< LOD	< LOD	4.69	1.29	AM
476 Minnehaha Ave E	119	5/11/2011 12:02	0	STAIR		D	RISER	WOOD	POOR	GREY	POS	3.1	3.1	3.6	5.72	3.65	AM
476 Minnehaha Ave E	120	5/11/2011 12:03	0	STAIR		D	CORNER TRIM	WOOD	POOR	BEIGE	POS	1.5	1	1.5	8.33	10	AM
476 Minnehaha Ave E	121	5/11/2011 12:06	0	STAIR			CEILING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.22	3.13	AM
476 Minnehaha Ave E	122	5/11/2011 12:07	0	STAIR			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.7	1	AM
476 Minnehaha Ave E	123	5/11/2011 12:07	0	STAIR		A	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	9.34	1	AM
476 Minnehaha Ave E	124	5/11/2011 12:08	0	STAIR		C	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.72	2.08	AM
476 Minnehaha Ave E	125	5/11/2011 12:08	0	STAIR		D	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.25	1	AM
476 Minnehaha Ave E	126	5/11/2011 12:08	0	STAIR		B	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	0.8	10.38	5.45	AM
476 Minnehaha Ave E	127	5/11/2011 12:09	0	STAIR			FLOOR	WOOD	POOR	GREY	Neg	< LOD	< LOD	< LOD	5.2	1.22	AM
476 Minnehaha Ave E	128	5/11/2011 12:09	0	STAIR		C	TRIM	WOOD	POOR	WHITE	Neg	0.6	0.6	0.8	6.75	6.79	AM
476 Minnehaha Ave E	129	5/11/2011 12:12	0	Electrical Rm		C	CABINET	WOOD	POOR	PINK	Neg	< LOD	< LOD	< LOD	4.69	1	AM
476 Minnehaha Ave E	130	5/11/2011 12:14	0	Electrical Rm		B	Cellar Window	WOOD	POOR	Brown	POS	24.2	10.1	24.2	4.68	1.97	AM
476 Minnehaha Ave E	131	5/11/2011 12:15	0	Electrical Rm		B	WINDOW HEADER	WOOD	POOR	GREEN	Neg	0.5	0.5	0.8	8.85	1.46	AM
476 Minnehaha Ave E	132	5/11/2011 12:15	0	Electrical Rm			FLOOR	Concrete	POOR	GREY	Neg	< LOD	< LOD	< LOD	6.74	1	AM
476 Minnehaha Ave E	133	5/11/2011 12:16	0	Electrical Rm		B	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	0.9	8.28	1	AM
476 Minnehaha Ave E	134	5/11/2011 12:16	0	Electrical Rm		C	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.75	3.46	AM
476 Minnehaha Ave E	135	5/11/2011 12:17	0	FURNACE RM		C	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	1	9.34	2.56	AM
476 Minnehaha Ave E	136	5/11/2011 12:18	0	FURNACE RM		B	WALL	Concrete	POOR	WHITE	POS	1.4	0.13	1.4	33.74	10	AM
476 Minnehaha Ave E	137	5/11/2011 12:18	0	FURNACE RM		A	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.27	1.54	AM
476 Minnehaha Ave E	138	5/11/2011 12:21	0	FURNACE RM		C	WINDOW	WOOD	POOR	BLUE	Neg	0.3	0.3	0.9	5.2	1.43	AM
476 Minnehaha Ave E	139	5/11/2011 12:22	0	FURNACE RM		C	Cellar Window	WOOD	POOR	BLUE	POS	10.3	2.5	10.3	5.2	3.16	AM
476 Minnehaha Ave E	140	5/11/2011 12:22	0	FURNACE RM		B	CABINET	WOOD	POOR	BLUE	Neg	< LOD	< LOD	< LOD	5.16	1	AM
476 Minnehaha Ave E	141	5/11/2011 12:23	0	BATHROOM		A	DOOR	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	6.25	1	AM
476 Minnehaha Ave E	142	5/11/2011 12:24	0	BATHROOM		A	DOOR	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	5.21	1	AM
476 Minnehaha Ave E	143	5/11/2011 12:24	0	BATHROOM		A	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.7	1	AM
476 Minnehaha Ave E	144	5/11/2011 12:24	0	BATHROOM		B	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.7	1	AM
476 Minnehaha Ave E	145	5/11/2011 12:25	0	BATHROOM			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.22	1	AM
476 Minnehaha Ave E	146	5/11/2011 12:25	0	BATHROOM		C	CEILING	Concrete	POOR	WHITE	Null	< LOD	< LOD	< LOD	0.51	1	AM
476 Minnehaha Ave E	147	5/11/2011 12:25	0	BATHROOM		C	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.28	1.84	AM
476 Minnehaha Ave E	148	5/11/2011 12:26	0	BATHROOM		D	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	1.1	10.92	1.73	AM
476 Minnehaha Ave E	149	5/11/2011 12:26	0	BATHROOM		A	BASEBOARD	VINYL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	6.75	1	AM
476 Minnehaha Ave E	150	5/11/2011 12:27	0	BATHROOM			FLOOR	TILE	PEELING	BEIGE	Neg	< LOD	< LOD	< LOD	5.22	1.12	AM
476 Minnehaha Ave E	151	5/11/2011 12:28	0	MAIN RM		B	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.71	1	AM
476 Minnehaha Ave E	152	5/11/2011 12:29	0	MAIN RM		C	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	9.35	2.96	AM
476 Minnehaha Ave E	153	5/11/2011 12:29	0	MAIN RM			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.21	2	AM
476 Minnehaha Ave E	154	5/11/2011 12:30	0	MAIN RM		A	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.22	1	AM
476 Minnehaha Ave E	155	5/11/2011 12:30	0	MAIN RM		D	WALL	Concrete	POOR	WHITE	Neg	< LOD	< LOD	0.9	7.79	1.43	AM
476 Minnehaha Ave E	156	5/11/2011 12:30	0	MAIN RM		D	Cellar Window	WOOD	POOR	WHITE	POS	26.2	10.1	26.2	4.69	2.51	AM

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	157	5/11/2011 12:35	2	STAIR		A	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.29	1.14	AM
476 Minnehaha Ave E	158	5/11/2011 12:35	2	STAIR		B	WALL	WOOD	POOR	WHITE	Null	< LOD	< LOD	< LOD	0.52	1	AM
476 Minnehaha Ave E	159	5/11/2011 12:35	2	STAIR		B	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.24	1	AM
476 Minnehaha Ave E	160	5/11/2011 12:35	2	STAIR		C	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.24	1.49	AM
476 Minnehaha Ave E	161	5/11/2011 12:36	2	STAIR		D	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.16	1	AM
476 Minnehaha Ave E	162	5/11/2011 12:36	2	STAIR		D	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.81	1	AM
476 Minnehaha Ave E	163	5/11/2011 12:37	2	STAIR		C	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.18	1	AM
476 Minnehaha Ave E	164	5/11/2011 12:37	2	STAIR		C	HAND RAIL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.65	1	AM
476 Minnehaha Ave E	165	5/11/2011 12:38	2	STAIR		C	BASEBOARD	WOOD	POOR	Varnish	Neg	0.19	0.19	< LOD	5.22	1.05	AM
476 Minnehaha Ave E	166	5/11/2011 12:38	2	STAIR		C	corner trim	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	8.85	1.03	AM
476 Minnehaha Ave E	167	5/11/2011 12:39	2	STAIR		C	DOOR CASING	WOOD	POOR	Varnish	Neg	0.08	0.08	< LOD	5.2	1.1	AM
476 Minnehaha Ave E	168	5/11/2011 12:39	2	STAIR		A	NEWELL POST	WOOD	POOR	Varnish	Neg	0.16	0.16	< LOD	5.23	1.22	AM
476 Minnehaha Ave E	169	5/11/2011 12:40	2	STAIR		B	WINDOW SILL	WOOD	POOR	Varnish	Neg	0.2	0.2	< LOD	5.21	1.23	AM
476 Minnehaha Ave E	170	5/11/2011 12:40	2	STAIR		B	WINDOW SASH	WOOD	POOR	Varnish	Neg	0.09	0.09	< LOD	5.2	1	AM
476 Minnehaha Ave E	171	5/11/2011 12:41	2	STAIR			CEILING	TILE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.23	1.59	AM
476 Minnehaha Ave E	172	5/11/2011 12:42	2	HALL			CEILING	TILE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.19	1.15	AM
476 Minnehaha Ave E	173	5/11/2011 12:43	2	HALL		A	WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	10.9	1	AM
476 Minnehaha Ave E	174	5/11/2011 12:43	2	HALL		B	WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.25	1	AM
476 Minnehaha Ave E	175	5/11/2011 12:43	2	HALL		C	WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.78	1	AM
476 Minnehaha Ave E	176	5/11/2011 12:44	2	HALL		D	WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.75	2.95	AM
476 Minnehaha Ave E	177	5/11/2011 12:45	2	HALL		D	CROWN MOLDING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.72	1.85	AM
476 Minnehaha Ave E	178	5/11/2011 12:46	2	HALL			CEILING	WOOD	POOR	Varnish	Neg	0.1	0.1	< LOD	4.66	1.19	AM
476 Minnehaha Ave E	179	5/11/2011 12:46	2	HALL			CEILING	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	4.68	1	AM
476 Minnehaha Ave E	180	5/11/2011 12:46	2	HALL		D	DOOR	WOOD	POOR	Varnish	Neg	0.08	0.08	< LOD	8.86	1	AM
476 Minnehaha Ave E	181	5/11/2011 12:47	2	HALL		D	DOOR	WOOD	POOR	Varnish	Neg	0.1	0.1	< LOD	5.21	1.03	AM
476 Minnehaha Ave E	182	5/11/2011 12:47	2	HALL		D	BASEBOARD	WOOD	POOR	Varnish	Neg	0.15	0.15	< LOD	9.34	1	AM
476 Minnehaha Ave E	183	5/11/2011 12:48	2	HALL		B	CORNICE	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.18	1	AM
476 Minnehaha Ave E	184	5/11/2011 12:50	2	BATHROOM		A	DOOR	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	5.18	2.01	AM
476 Minnehaha Ave E	185	5/11/2011 12:52	2	BATHROOM		A	DOOR CASING	WOOD	POOR	WHITE	Neg	0.4	0.4	0.7	8.28	6.13	AM
476 Minnehaha Ave E	186	5/11/2011 12:52	2	BATHROOM		A	CHAIR RAIL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.22	7.26	AM
476 Minnehaha Ave E	187	5/11/2011 12:53	2	BATHROOM		B	BASEBOARD	WOOD	POOR	WHITE	Neg	0.3	0.3	0.8	7.8	5.39	AM
476 Minnehaha Ave E	188	5/11/2011 12:53	2	BATHROOM		C	WINDOW CASING	WOOD	POOR	WHITE	Neg	0.5	0.5	0.9	7.78	6.89	AM
476 Minnehaha Ave E	189	5/11/2011 12:54	2	BATHROOM		C	WINDOW SASH	WOOD	POOR	WHITE	Neg	0.21	0.21	< LOD	5.18	2.14	AM
476 Minnehaha Ave E	190	5/11/2011 12:56	2	BATHROOM		D	WINDOW SASH	WOOD	POOR	WHITE	Neg	0.3	0.3	< LOD	6.75	3.61	AM
476 Minnehaha Ave E	191	5/11/2011 12:56	2	BATHROOM		D	CABINET	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.23	1	AM
476 Minnehaha Ave E	192	5/11/2011 12:56	2	BATHROOM		C	TUB	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.81	2.43	AM
476 Minnehaha Ave E	193	5/11/2011 12:58	2	BATHROOM		B	Baseboard	VINYL	POOR	BEIGE	Neg	< LOD	< LOD	0.8	7.79	1.27	AM
476 Minnehaha Ave E	194	5/11/2011 12:58	2	BATHROOM			FLOOR	VINYL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.19	1.01	AM
476 Minnehaha Ave E	195	5/11/2011 12:59	2	BATHROOM		B	WALL	PLASTER	POOR	WHITE	POS	6.9	< LOD	6.9	5.73	3.73	AM
476 Minnehaha Ave E	196	5/11/2011 12:59	2	BATHROOM		A	WALL	PLASTER	POOR	WHITE	Neg	0.18	0.18	0.8	8.29	5.99	AM

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	197	5/11/2011 13:00	2	BATHROOM		B	WALL	PLASTER	POOR	WHITE	POS	3.2 < LOD	3.2	3.2	6.23	1	AM
476 Minnehaha Ave E	198	5/11/2011 13:00	2	BATHROOM		C	WALL	PLASTER	POOR	WHITE	POS	4.2 < LOD	4.2	4.2	5.7	10	AM
476 Minnehaha Ave E	199	5/11/2011 13:01	2	BATHROOM		D	WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	10.97	1	AM
476 Minnehaha Ave E	200	5/11/2011 13:01	2	BATHROOM			CEILING	TILE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	9.36	8.02	AM
476 Minnehaha Ave E	201	5/11/2011 13:10	2	BEDROOM 1			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.23	1	AM
476 Minnehaha Ave E	202	5/11/2011 13:10	2	BEDROOM 1		C	CROWN MOLDING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.2	1.35	AM
476 Minnehaha Ave E	203	5/11/2011 13:11	2	BEDROOM 1		C	DOOR	WOOD	POOR	Varnish	Neg	0.12	0.12	< LOD	5.2	1.19	AM
476 Minnehaha Ave E	204	5/11/2011 13:12	2	BEDROOM 1		C	DOOR CASING	WOOD	POOR	Varnish	Neg	0.1	0.1	< LOD	8.82	1	AM
476 Minnehaha Ave E	205	5/11/2011 13:12	2	BEDROOM 1		B	WINDOW CASING	WOOD	POOR	Varnish	Neg	0.13	0.13	< LOD	5.21	1.42	AM
476 Minnehaha Ave E	206	5/11/2011 13:14	2	BEDROOM 1		B	WINDOW SASH	WOOD	POOR	Varnish	Neg	0.09	0.09	< LOD	4.65	1	AM
476 Minnehaha Ave E	207	5/11/2011 13:17	2	BEDROOM 1		B	Wdw Part. Bead	WOOD	POOR	WHITE	POS	15.5	7.6	15.5	4.67	2.4	AM
476 Minnehaha Ave E	208	5/11/2011 13:17	2	BEDROOM 1		B	BASEBOARD	WOOD	POOR	WHITE	Neg	0.12	0.12	< LOD	8.83	1.45	AM
476 Minnehaha Ave E	209	5/11/2011 13:18	2	BEDROOM 1		A	RADIATOR	METAL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	1.56	4.34	AM
476 Minnehaha Ave E	210	5/11/2011 13:18	2	BEDROOM 1		A	RADIATOR	METAL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.6	1.58	AM
476 Minnehaha Ave E	211	5/11/2011 13:18	2	BEDROOM 1		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.76	1	AM
476 Minnehaha Ave E	212	5/11/2011 13:19	2	BEDROOM 1		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.82	1	AM
476 Minnehaha Ave E	213	5/11/2011 13:19	2	BEDROOM 1		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.26	4.74	AM
476 Minnehaha Ave E	214	5/11/2011 13:19	2	BEDROOM 1		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.21	1	AM
476 Minnehaha Ave E	215	5/11/2011 13:21	2	BEDROOM 2		A	WALL	PLASTER	FAIR	WHITE	Neg	0.7	0.07	0.7	45.87	10	AM
476 Minnehaha Ave E	216	5/11/2011 13:22	2	BEDROOM 2		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	10.37	8.86	AM
476 Minnehaha Ave E	217	5/11/2011 13:22	2	BEDROOM 2		C	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	6.75	2.72	AM
476 Minnehaha Ave E	218	5/11/2011 13:22	2	BEDROOM 2		D	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	8.82	7.9	AM
476 Minnehaha Ave E	219	5/11/2011 13:23	2	BEDROOM 2			CEILING	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.1	1	AM
476 Minnehaha Ave E	220	5/11/2011 13:26	2	BEDROOM 2		B	CROWN MOLDING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.86	1.14	AM
476 Minnehaha Ave E	221	5/11/2011 13:26	2	BEDROOM 2		C	RADIATOR	METAL	POOR	Brown	Neg	0.3	0.3	< LOD	5.18	1.57	AM
476 Minnehaha Ave E	222	5/11/2011 13:27	2	BEDROOM 2		D	DOOR	WOOD	POOR	Varnish	Neg	0.08	0.08	< LOD	8.82	1.08	AM
476 Minnehaha Ave E	223	5/11/2011 13:27	2	BEDROOM 2		D	DOOR CASING	WOOD	POOR	Varnish	Neg	0.08	0.08	< LOD	5.18	1	AM
476 Minnehaha Ave E	224	5/11/2011 13:28	2	BEDROOM 2		D	BASEBOARD	WOOD	POOR	Varnish	Neg	0.14	0.14	< LOD	5.18	1	AM
476 Minnehaha Ave E	225	5/11/2011 13:28	2	BEDROOM 2		B	WINDOW CASING	WOOD	POOR	Varnish	Neg	0.09	0.09	< LOD	5.21	1	AM
476 Minnehaha Ave E	226	5/11/2011 13:28	2	BEDROOM 2		B	WINDOW SASH	WOOD	POOR	Varnish	Neg	0.14	0.14	0.8	8.83	1.5	AM
476 Minnehaha Ave E	227	5/11/2011 13:29	2	BEDROOM 2		A	CLOSET DOOR	WOOD	POOR	Varnish	Neg	0.1	0.1	< LOD	5.21	1.07	AM
476 Minnehaha Ave E	228	5/11/2011 13:30	2	BEDROOM 2		A	CLOSET DOOR	WOOD	POOR	Varnish	Neg	0.08	0.08	< LOD	5.23	1.04	AM
476 Minnehaha Ave E	229	5/11/2011 13:30	2	BEDROOM 2		A	Cist Shelf Support	WOOD	POOR	WHITE	Neg	0.24	0.24	< LOD	6.75	2.59	AM
476 Minnehaha Ave E	230	5/11/2011 13:31	2	BEDROOM 2		A	Closet Baseboard	WOOD	POOR	WHITE	Neg	0.17	0.17	< LOD	5.19	1.96	AM
476 Minnehaha Ave E	231	5/11/2011 13:32	2	BEDROOM 3		B	DOOR	WOOD	POOR	Varnish	Neg	0.09	0.09	< LOD	5.22	1	AM
476 Minnehaha Ave E	232	5/11/2011 13:32	2	BEDROOM 3		B	DOOR	WOOD	POOR	Varnish	Neg	0.09	0.09	< LOD	5.22	1	AM
476 Minnehaha Ave E	233	5/11/2011 13:32	2	BEDROOM 3		B	BASEBOARD	WOOD	POOR	Varnish	Neg	0.19	0.19	< LOD	5.73	1.32	AM
476 Minnehaha Ave E	234	5/11/2011 13:33	2	BEDROOM 3		C	WINDOW CASING	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	5.18	1	AM
476 Minnehaha Ave E	235	5/11/2011 13:33	2	BEDROOM 3		C	WINDOW SASH	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	2.07	1	AM
476 Minnehaha Ave E	236	5/11/2011 13:34	2	BEDROOM 3		C	WINDOW TROUGH	WOOD	POOR	WHITE	POS	20.2	10.1	20.2	4.67	2.92	AM

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	237	5/11/2011 13:34	2	BEDROOM 3		C	RADIATOR	METAL	POOR	Brown	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	238	5/11/2011 13:35	2	BEDROOM 3		D	Cist Door Jamb	WOOD	POOR	Varnish	Neg	0.14	0.14	< LOD	5.21	1.3	AM
476 Minnehaha Ave E	239	5/11/2011 13:35	2	BEDROOM 3		D	Cist Shelf Support	WOOD	POOR	Varnish	Neg	< LOD	< LOD	< LOD	4.66	3.53	AM
476 Minnehaha Ave E	240	5/11/2011 13:36	2	BEDROOM 3		D	Closet Baseboard	WOOD	POOR	Varnish	Neg	0.14	0.14	< LOD	4.14	1.87	AM
476 Minnehaha Ave E	241	5/11/2011 13:36	2	BEDROOM 3		D	CLOSET WALL	PLASTER	POOR	Varnish	Neg	0.12	0.12	< LOD	7.25	3.13	AM
476 Minnehaha Ave E	242	5/11/2011 13:37	2	BEDROOM 3		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.32	1	AM
476 Minnehaha Ave E	243	5/11/2011 13:37	2	BEDROOM 3		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.25	1	AM
476 Minnehaha Ave E	244	5/11/2011 13:38	2	BEDROOM 3		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.78	1.85	AM
476 Minnehaha Ave E	245	5/11/2011 13:38	2	BEDROOM 3		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.24	1	AM
476 Minnehaha Ave E	246	5/11/2011 13:39	2	BEDROOM 3			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.18	1	AM
476 Minnehaha Ave E	247	5/11/2011 13:39	2	BEDROOM 3		B	CROWN MOLDING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.21	2.42	AM
476 Minnehaha Ave E	248	5/11/2011 13:41	2	BEDROOM 4		B	CROWN MOLDING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.72	2.38	AM
476 Minnehaha Ave E	249	5/11/2011 13:41	2	BEDROOM 4			CEILING	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	8.81	5.39	AM
476 Minnehaha Ave E	250	5/11/2011 13:42	2	BEDROOM 4		B	DOOR	TILE	POOR	Varnish	Neg	0.07	0.07	< LOD	4.69	1	AM
476 Minnehaha Ave E	251	5/11/2011 13:42	2	BEDROOM 4		B	DOOR	TILE	POOR	Varnish	Neg	0.08	0.08	< LOD	4.71	1	AM
476 Minnehaha Ave E	252	5/11/2011 13:42	2	BEDROOM 4		B	BASEBOARD	TILE	POOR	Varnish	Neg	0.16	0.16	< LOD	5.23	1.17	AM
476 Minnehaha Ave E	253	5/11/2011 13:43	2	BEDROOM 4		A	WINDOW CASING	TILE	POOR	Varnish	Neg	0.09	0.09	< LOD	5.19	1	AM
476 Minnehaha Ave E	254	5/11/2011 13:43	2	BEDROOM 4		A	WINDOW SASH	WOOD	POOR	Varnish	Neg	0.1	0.1	< LOD	5.22	1.12	AM
476 Minnehaha Ave E	255	5/11/2011 13:44	2	BEDROOM 4		A	Wdw Part, Read	WOOD	POOR	WHITE	POS	12.6	6.1	12.6	4.69	1.88	AM
476 Minnehaha Ave E	256	5/11/2011 13:44	2	BEDROOM 4		A	RADIATOR	METAL	POOR	Brown	Neg	< LOD	< LOD	< LOD	5.21	1	AM
476 Minnehaha Ave E	257	5/11/2011 13:45	2	BEDROOM 4		C	CLOSET DOOR	WOOD	POOR	Varnish	Neg	0.07	0.07	< LOD	5.2	1	AM
476 Minnehaha Ave E	258	5/11/2011 13:45	2	BEDROOM 4		C	CLOSET DOOR	WOOD	POOR	Varnish	Neg	0.09	0.09	< LOD	5.2	1	AM
476 Minnehaha Ave E	259	5/11/2011 13:46	2	BEDROOM 4		C	Cist Shelf Support	WOOD	INTACT	WHITE	Neg	0.12	0.12	< LOD	5.2	2.4	AM
476 Minnehaha Ave E	260	5/11/2011 13:47	2	BEDROOM 4		C	CLOSET WALL	WOOD	INTACT	WHITE	Neg	0.16	0.16	< LOD	5.7	2.14	AM
476 Minnehaha Ave E	261	5/11/2011 13:47	2	BEDROOM 4		C	Closet Baseboard	WOOD	INTACT	WHITE	Neg	0.06	0.06	< LOD	9.85	1.82	AM
476 Minnehaha Ave E	262	5/11/2011 13:48	2	BEDROOM 4		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	11.42	1.36	AM
476 Minnehaha Ave E	263	5/11/2011 13:48	2	BEDROOM 4		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.29	2.59	AM
476 Minnehaha Ave E	264	5/11/2011 13:49	2	BEDROOM 4		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	9.3	2.51	AM
476 Minnehaha Ave E	265	5/11/2011 13:49	2	BEDROOM 4		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	11.42	3.41	AM
476 Minnehaha Ave E	266	5/11/2011 13:50	3	STAIR		A	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.2	1.07	AM
476 Minnehaha Ave E	267	5/11/2011 13:51	3	STAIR		B	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.75	1	AM
476 Minnehaha Ave E	268	5/11/2011 13:51	3	STAIR		C	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.72	1	AM
476 Minnehaha Ave E	269	5/11/2011 13:51	3	STAIR		D	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.72	1	AM
476 Minnehaha Ave E	270	5/11/2011 13:51	3	STAIR			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.15	1.3	AM
476 Minnehaha Ave E	271	5/11/2011 13:52	3	STAIR		A	DOOR	WOOD	POOR	Varnish	Neg	0.08	0.08	< LOD	5.19	1.09	AM
476 Minnehaha Ave E	272	5/11/2011 13:53	3	STAIR		A	DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.21	1.87	AM
476 Minnehaha Ave E	273	5/11/2011 13:53	3	STAIR		A	DOOR CASING	WOOD	POOR	WHITE	Neg	0.07	0.07	< LOD	5.22	1.06	AM
476 Minnehaha Ave E	274	5/11/2011 13:54	3	ATTIC		B	DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	275	5/11/2011 13:54	3	ATTIC		B	DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.19	1	AM
476 Minnehaha Ave E	276	5/11/2011 13:54	3	ATTIC		B	BASEBOARD	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.21	1	AM

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	277	5/11/2011 13:55	3	ATTIC		B	TRIM	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.12	1	AM
476 Minnehaha Ave E	278	5/11/2011 13:55	3	ATTIC		B	RAIL CAP	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.72	1.89	AM
476 Minnehaha Ave E	279	5/11/2011 13:56	3	ATTIC		D	DOOR	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	280	5/11/2011 13:56	3	ATTIC		A	WINDOW CASING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	281	5/11/2011 13:57	3	ATTIC		A	WINDOW	VINYL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	5.72	1	AM
476 Minnehaha Ave E	282	5/11/2011 13:57	3	ATTIC		A	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.22	3.08	AM
476 Minnehaha Ave E	283	5/11/2011 13:57	3	ATTIC		B	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.68	1	AM
476 Minnehaha Ave E	284	5/11/2011 13:58	3	ATTIC		C	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.23	1	AM
476 Minnehaha Ave E	285	5/11/2011 13:58	3	ATTIC		D	WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.27	1	AM
476 Minnehaha Ave E	286	5/11/2011 13:58	3	ATTIC			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.73	1	AM
476 Minnehaha Ave E	287	5/11/2011 13:59	3	ATTIC		D	COLUMN	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.26	1	AM
476 Minnehaha Ave E	288	5/11/2011 14:01		OUTSIDE		A	DOOR	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.18	1.05	AM
476 Minnehaha Ave E	289	5/11/2011 14:01		OUTSIDE		A	DOOR CASING	WOOD	POOR	BEIGE	POS	16.7	10.1	16.7	4.68	5.05	AM
476 Minnehaha Ave E	290	5/11/2011 14:01		OUTSIDE		A	DOOR JAMB	WOOD	POOR	BEIGE	POS	14.2	10.1	14.2	4.16	4.8	AM
476 Minnehaha Ave E	291	5/11/2011 14:02		OUTSIDE		A	DOOR THRESHOLD	WOOD	POOR	RED	Neg	0.7	0.7	1.2	8.83	3.28	AM
476 Minnehaha Ave E	292	5/11/2011 14:02		OUTSIDE		A	DOOR THRESHOLD	WOOD	POOR	RED	POS	2.5	2.5	2.9	6.75	4.53	AM
476 Minnehaha Ave E	293	5/11/2011 14:02		OUTSIDE		A	WINDOW CASING	WOOD	POOR	BLUE	Neg	0.15	0.15	0.9	6.24	2.94	AM
476 Minnehaha Ave E	294	5/11/2011 14:04		OUTSIDE		A	RAIL	WOOD	POOR	BLUE	Neg	< LOD	< LOD	< LOD	5.22	1	AM
476 Minnehaha Ave E	295	5/11/2011 14:04		OUTSIDE		B	DOOR	METAL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.2	1	AM
476 Minnehaha Ave E	296	5/11/2011 14:05		OUTSIDE		B	DOOR CASING	WOOD	POOR	BEIGE	POS	18.9	10.1	18.9	4.15	3.23	AM
476 Minnehaha Ave E	297	5/11/2011 14:05		OUTSIDE		B	WINDOW CASING	WOOD	POOR	WHITE	POS	11.8	10.1	11.8	8.32	2.95	AM
476 Minnehaha Ave E	298	5/11/2011 14:05		OUTSIDE		B	WINDOW CASING	WOOD	POOR	WHITE	Neg	0.8	0.8	1.2	10.89	2.2	AM
476 Minnehaha Ave E	299	5/11/2011 14:05		OUTSIDE		B	WINDOW CASING	WOOD	POOR	WHITE	POS	13	6.1	13	5.18	4.72	AM
476 Minnehaha Ave E	300	5/11/2011 14:06		OUTSIDE		B	Window Sill	WOOD	POOR	BEIGE	POS	10.4	4.7	10.4	5.22	2.51	AM
476 Minnehaha Ave E	301	5/11/2011 14:06		OUTSIDE		B	Window Sill	WOOD	POOR	BEIGE	POS	7.5	10.1	7.5	2.09	4.13	AM
476 Minnehaha Ave E	302	5/11/2011 14:07		OUTSIDE		B	CORNER TRIM	WOOD	POOR	BEIGE	POS	9.3	10.1	9.3	5.23	3.85	AM
476 Minnehaha Ave E	303	5/11/2011 14:07		OUTSIDE		A	DOOR	WOOD	POOR	BEIGE	POS	11.2	10.1	11.2	8.83	4.75	AM
476 Minnehaha Ave E	304	5/11/2011 14:07		OUTSIDE		A	DOOR CASING	WOOD	POOR	BEIGE	POS	12.5	10.1	12.5	5.2	3.78	AM
476 Minnehaha Ave E	305	5/11/2011 14:07		OUTSIDE		A	RAIL	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.19	1	AM
476 Minnehaha Ave E	306	5/11/2011 14:08		OUTSIDE		A	SOFFIT	WOOD	POOR	BEIGE	POS	12.7	10.1	12.7	4.66	4	AM
476 Minnehaha Ave E	307	5/11/2011 14:08		OUTSIDE		A	TRIM	WOOD	POOR	BEIGE	POS	11.9	10.1	11.9	5.21	3.96	AM
476 Minnehaha Ave E	308	5/11/2011 14:21		OUTSIDE		A	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	8.32	1	AM
476 Minnehaha Ave E	309	5/11/2011 14:21		OUTSIDE		B	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	9.35	4.99	AM
476 Minnehaha Ave E	310	5/11/2011 14:22		OUTSIDE		C	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	7.8	4.52	AM
476 Minnehaha Ave E	311	5/11/2011 14:22		OUTSIDE		D	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	0.8	11.97	4.32	AM
476 Minnehaha Ave E	312	5/11/2011 14:23		OUTSIDE		D	WINDOW CASING	WOOD	POOR	BEIGE	POS	6.8	< LOD	6.8	2.08	7.9	AM
476 Minnehaha Ave E	313	5/11/2011 14:23		OUTSIDE		D	Window Sill	WOOD	POOR	BEIGE	POS	4.3	1.2	4.3	5.21	2.84	AM
476 Minnehaha Ave E	314	5/11/2011 14:24					CALIBRATE				Null	1	1	1	6.75	1.02	AM
476 Minnehaha Ave E	315	5/11/2011 14:25					CALIBRATE				POS	1	1	0.7	24.99	1.04	AM
476 Minnehaha Ave E	316	5/11/2011 14:25					CALIBRATE				POS	1	1	0.8	23.41	1.07	AM

All Phase Companies
476 Minnehaha Ave. E.
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
476 Minnehaha Ave E	317	5/11/2011 14:26					CALIBRATE				POS	1.1	1.1	1.1	0.8	20.77	1.1 AM

Description of Column Titles

Site:	The sequential number of the site (homes or buildings) inspected on a particular day.
No:	The sequential XRF sample number for a given site.
XL No/Map:	The sample number recorded on the maps of a particular site.
Date:	Date that the XRF sample was analyzed.
Time:	Time of XRF sample analysis.
Floor:	The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).
Room:	The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.
Side:	Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are A, B, C, and D .
Structure:	This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.
Feature:	Specifies additional information about a structure.
Condition:	Describes whether the surface being tested is Intact : good condition; Fair : less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; Poor : more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.
Substrate:	Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.
Color:	Color of surface tested.
Result:	The lead concentration in mg/cm ² as determined with L-shell and K-shell X-ray data.
PbL(mg/cm²):	The lead concentration as determined with L-shell X-ray data.
RES:	Results: POS - above action level, NEG - below action level.
PbK:	The lead concentration in mg/cm ² on the K-shell X-ray data spectrum.
PbC:	The combined lead concentration in mg/cm ² of the L-shell and K-shell X-ray data spectrum.
Depth:	This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.
Duration:	The length of the XRF sample analysis in seconds.
Inspector:	When multiple inspectors are used, this number indicates who sampled at the time indicated.
Note:	This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A**, and then clockwise from that wall, walls are labeled **B, C, D**.

APPENDIX C

LABORATORY RESULTS CHAIN-OF-CUSTODY

**EMSL Analytical, Inc.**

14375 23rd Avenue North, Minneapolis, Mn 55447

Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
145 2nd Avenue South East

Cambridge, MN 55008-1602

Fax (763) 691-0145 Phone: (763) 691-0111

Project: **502/0511A**

Customer ID: MIDW56
Customer PO:
Received: 05/13/11 2:30 PM
EMSL Order: 351102607

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	Area Sampled	RDL	Lead Concentration	Notes
0001	5/16/2011	144 in ²	10 µg/ft ²	16 µg/ft ²	Site: Entry Side A Flr
Client Sampl 502/0511A-W1					Collected:
0002	5/16/2011	144 in ²	10 µg/ft ²	23 µg/ft ²	Site: Kitchen Side B Flr
Client Sampl 502/0511A-W2					Collected:
0003	5/16/2011	36 in ²	40 µg/ft ²	240 µg/ft ²	Site: Kitchen Side-C Stool
Client Sampl 502/0511A-W3					Collected:
0004	5/16/2011	144 in ²	10 µg/ft ²	<10 µg/ft ²	Site: Basement Main Rm Middle Flr
Client Sampl 502/0511A-W4					Collected:
0005	5/16/2011	144 in ²	10 µg/ft ²	<10 µg/ft ²	Site: Bed Rm-3 Side-C Flr
Client Sampl 502/0511A-W5					Collected:
0006	5/16/2011	36 in ²	1000 µg/ft ²	7700 µg/ft ²	Site: Bed Rm-3 Side-C trough
Client Sampl 502/0511A-W6					Collected:
0007	5/16/2011	36 in ²	40 µg/ft ²	<40 µg/ft ²	Site: Attic Bed Rm Side-A Stool
Client Sampl 502/0511A-W7					Collected:
0008	5/16/2011	144 in ²	10 µg/ft ²	<10 µg/ft ²	Site: Attic Bed Rm Side-A Flr
Client Sampl 502/0511A-W8					Collected:
0009	5/16/2011	144 in ²	10 µg/ft ²	<10 µg/ft ²	Site: Hall Side-A Flr
Client Sampl 502/0511A-W9					Collected:

Initial report from 05/16/2011 13:53:20

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft² x area sampled in ft². Unless noted, results in this report are not blank corrected. This report relates only to the samples reported ab may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAP unless otherwise noted. * slight modifications to methods applied.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

**EMSL Analytical, Inc.**

14375 23rd Avenue North, Minneapolis, Mn 55447

Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
145 2nd Avenue South East

Customer ID: MIDW56
Customer PO:
Received: 05/13/11 2:30 PM
EMSL Order: 351102607

Cambridge, MN 55008-1602

Fax (763) 691-0145 Phone: (763) 691-0111
Project: 502/0511A

EMSL Proj:

Test Report: Lead in Soils by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0010	5/16/2011	40 mg/Kg	540 mg/Kg	Site: Bare Soil foundation
Client Sampl 502/0511A-S1				Collected:

Initial report from 05/16/2011 13:53:20

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 40 mg/kg. The QC data associated with these sample results included in this report meet the method QC requirements, unless specifically indicated otherwise. Un noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EM bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. *slight modification to met applied.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162



Midwest Environmental Consulting, L.L.C.

145 - 2nd Avenue SE
Cambridge, MN 55008
763-691-0111 / FAX: 763-691-0145
Client Address: _____
Contact: _____

CHAIN OF CUSTODY

Project Number: 5026571A
Client: ALL phase
Project: 476 minabala
Phone/Fax: _____

Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
W1	Entry Side A F/R	5-11-11	12" x 12"	PB Sept 12
W2	Kitchen Side B F/R		"	
W3	" Side-C Stool		2" x 18"	
W4	Basement Main room middle F/R		12" x 12"	
W5	Bedroom-3 Side-C F/R		"	
W6	" " " Trough		2" x 18"	
W7	Attic Bedroom side-A Stool		"	
W8	" " " F/R		12" x 12"	
W9	Hall Side-A F/R		"	
S1	Bare Soil Food-Hn		Per Soil	PB PB

Sampled by: [Signature] Date: 5-11-11 Time: _____
Received by: [Signature] Date: 5-13-11 Time: 2:30 PM
Received by Lab: [Signature] Date: _____ Time: _____ (w)

Disposition of Samples: _____

Delivered by: [Signature] Date: _____ Time: _____

Delivered by: [Signature] Date: 5-13-11 Time: 2:30

Notes: _____

On-site Lead blank

24 hour address

only ASTM wipes used



KRECH, O'BRIEN, MUELLER & ASSOCIATES, INC.

6115 Cahill Avenue Inver Grove Heights Minnesota 55076 651.451.4605 phone 651.451.0917 fax www.komainc.com

April 17, 2012

Roxanne Young
City of St. Paul HRA
25 West 4th Street
St. Paul, MN 55102

Re: 476 Minnehaha Avenue
St. Paul, MN 55130
KOMA No. 12105

Dear Ms. Young:

At your request, a site visit was made to the above noted residence on April 10, 2012. The purpose of the visit was to observe the southeast corner of the house where a porch had been removed and to note general observations of existing conditions. The exterior was reviewed from ground level and a general walk-through was performed of the first, second and basement levels. Structural observations were not meant to be all inclusive. Also, with both interior and exterior finishes in place, observations of concealed spaces were not possible.

Introduction:

The two-story wood framed house was previously clad in stucco, which has been removed to reveal wood siding and a concrete block veneer to the second floor level above what appeared to be limestone basement walls. Reportedly, a covered porch was removed at the east elevation adjacent to the southeast corner along with the removal of a porch at the north elevation. The perimeter walls, floors, and roof are assumed to be wood framed. It was noted above that the concrete block at the exterior perimeter was a veneer. This should be verified before starting any demolition or remedial work. The interior walls were plastered.

Observations:

The concrete block veneer, in general, appears to be in need of tuckpointing and replacement of cracked units. The veneer at the east elevation adjacent to the southeast corner has been displaced to the south. Similarly, the veneer at the north elevation adjacent to the northwest corner has been displaced to the west. These areas show signs of settlement along with separation of mortar joints and cracking of units. It is possible that the porch walls at these locations were not supported at a level below grade adequate to resist frost movement. The potential frost movement of the porch walls where connected to the house may have caused distress in the veneer. Also, it is possible there may have been deterioration of the limestone basement walls over the years thereby adversely affecting the required support of the veneer.

The interior plaster showed signs of minor cracking and distress. The interior of the basement wall was painted and showed almost no signs of cracking or movement. This is somewhat inconsistent with the observations of the veneer noted above and is one reason the concrete block is believed to be a veneer.

Deflection of the floor framing was noted in the general area of the center of the first and second floor. It appears that a portion of a bearing wall was removed in the basement adjacent to the mechanical area. Screw jacks were installed at each side of the opening created. However, it appears that the header over the opening is not structurally adequate and deflection of the header, along with the supported floors above, has occurred.

Remedial Action:

It appears that the veneer at the southeast corner will need to be removed and replaced. After removal, it is recommended that excavation adjacent to the basement wall be performed to determine the adequacy of the wall to support the veneer. This should also be accomplished at the northwest corner. Tuckpointing and replacement of cracked units at the perimeter of the house should also be done. At this time, the adequacy of the attachment of the veneer to the stud backup should be verified.

The basement header noted above should be replaced with an adequately sized member or the stud wall should be re-installed.

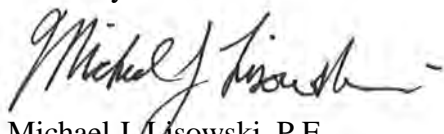
If additional items become apparent during the course of demolition and remedial work, KOMA would be happy to provide services to address issues discovered.

Conclusion:

The information and opinions contained herein are based upon the limited investigation described at the beginning of this report. No warranties are expressed or implied regarding the existence of other unknown conditions not specifically addressed. Our work is in accordance with generally accepted engineering standards and is not intended to be relied upon or transferred to individuals other than the addressee. Should information or conditions become known which differ from the discussion herein, they may alter the opinions or conclusions of the undersigned.

If you should have any questions or require further information, please call.

Sincerely:



Michael J. Lisowski, P.E.
Krech, O'Brien, Mueller & Associates, Inc.



SERVICE AGREEMENT - TERMS AND CONDITIONS

CLIENT'S RESPONSIBILITIES:

The Client shall provide full information regarding requirements for the Project. The Client shall furnish required information and decisions as expeditiously as necessary for the orderly progress of the Work, and the Firm shall be entitled to rely on the accuracy and completeness thereof.

ACCESS TO SITE:

Unless otherwise stated, the Firm will have access to the site for activities necessary for the performance of the services. The Firm will take precautions to minimize damage due to these activities, but has not included in the fee the cost of restoration of any resulting damage.

HAZARDOUS MATERIALS:

The Firm and its Consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials in any form at the Project site, including but not limited to asbestos, asbestos products, polychlorinated biphenyl (PCB) or other toxic substances.

OWNERSHIP OF DOCUMENTS:

All documents produced by the Firm under this agreement shall remain the property of the Firm and may not be used by the Client for any other endeavor without the written consent of the Firm.

BILLINGS/PAYMENTS:

Invoices for the Firm's services shall be submitted, at the Firm's option, either upon completion of such services or on a monthly basis. Invoices shall be payable within 10 days after the invoice date. If the invoice is not paid within 30 days, the Firm may, without waiving any claim or right against the Client, and without liability whatsoever to the Client, terminate the performance of the service. Retainers shall be credited to the final invoice.

LATE PAYMENTS:

Accounts unpaid 60 days after the invoice date may be subject to a monthly service charge of 1.5% (or the legal rate) on the then unpaid balance. In the event any portion or all of an account remains unpaid 90 days after billing, the client shall pay all costs of collection, including reasonable attorney's fees.

DISPUTE RESOLUTION:

Any claims or disputes made during design, construction or post-construction between the Client and Firm shall be submitted to non-binding mediation. Client and Firm agree to include a similar mediation agreement with all contractors, subcontractors, subconsultants, supplier and fabricators, thereby providing for mediation as the primary method for dispute resolution between all parties.

TERMINATION OF SERVICES:

This agreement may be terminated by the Client or the Firm should the other fail to perform its obligations hereunder. In the event of termination, the Client shall pay the Firm for all services rendered to the date of termination, all reimbursable expenses and reimbursable termination expenses.

GOVERNING LAW:

Unless otherwise provided, this Agreement shall be governed by the law of the principal place of business of the Firm.

CERTIFICATIONS:

Guarantees and Warranties: The Firm shall not be required to execute any document that would result in its certifying, guaranteeing or warranting the existence of conditions whose existence the Firm cannot ascertain.

INDEMNIFICATION:

The Client shall, to the fullest extent permitted by law, indemnify and hold harmless the Firm, its officers, directors, employees, agents and subconsultants from and against all damage, liability and cost, including reasonable attorney's fee and defense costs, arising out of or in any way connected with the performance by any of the parties above named of the services under this agreement, excepting only those damages, liabilities or costs attributable to the sole negligence or willful misconduct of the Firm.

LIMITATION OF LIABILITY:

In recognition of the relative risks, rewards and benefits of the project to both the Client and the Firm, the risks have been allocated such that the Client agrees that, to the fullest extent permitted by law, the Firm's total liability to the Client for any and all injuries, claims, losses, expenses, damages or claim expenses arising out of this agreement from any cause or causes, shall not exceed the Firm's fee for the project. Such causes include, but are not limited to, the Firm's negligence, errors, omissions, strict liability, breach of contract or breach of warranty.

The Building Codes do not cover all situations. Often the Firm's interpretation of the code is different than the local building official's interpretation. The building official is required to issue interpretations of the code. The interpretation process can be subjective and tends to be dynamic as the Firm and the building official discuss the public health, safety and welfare issues involved. Often the State is asked to provide an interpretation which the local building official considers the "official ruling". It is not possible to predict the amount of time required to resolve code issues requiring interpretation, and as such, the fee arrangement for dealing with these specific code issues will be on a time and expense basis according to the Firm's standard rates.

WHOLE AGREEMENT:

This Agreement, including attached appendices, represents the entire and integrated agreement between the Client and the Firm and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both the Client and the Firm.



39. Smoke detector Information:

Smoke detector(s) Y
 Properly located Y
 *Hard-Wired * Y

*if N or H see note on p. 3, item 39

Disclosure Report

Saint Paul Truth-in-Sale of Housing

(Carefully read this entire report)

Office Use, ONLY:

Date Received _____

Payment Ref. _____

THIS REPORT IS NOT A WARRANTY, BY THE CITY OF ST. PAUL OR EVALUATOR OF THE FUTURE USEFUL LIFE, OR THE FUTURE CONDITION OF ANY BUILDING COMPONENT OR FIXTURE.

Notice: A copy of this Report must be publicly displayed at the premises when the house is shown to prospective buyers, and a copy of this Report must be provided to the buyer prior to the time of signing a Purchase Agreement.

Address of Evaluated Dwelling: 476 Minnehaha Avenue East

Addresses without the correct street type and/or direction may be returned and may incur a late fee.

Owner's Name: Fannie Mae, C/O Kimm Pastrana

Owner's Address: C-21 Pastrana Team, Edina, MN 55435

Current Usage of this dwelling: ☒ **Single Family** ☐ **Townhouse** ☐ **Condo***
☐ **Duplex** ☐ **Other:** _____

*For condominium units, this evaluation includes only those items located within the residential unit and does not include the common use area, or other residential areas of the structure.

Comments: Usage may not be legal. See below.

PROPERTY LOCATION AND POSSIBLE USE RESTRICTION INFORMATION

If a box is not checked then the information does not apply to this dwelling. This information is not guaranteed by the evaluator nor by the City of Saint Paul.

According to information provided to Truth-In-Sale of Housing Evaluators by the City of Saint Paul this property:

*** ☐ IS A Registered Vacant Building. The conditions applicable to a sale are different by Category:**
 Even if this box is not now marked this dwelling may become a vacant building before the 1 year expiration date of this report.

Cat. 1 ☐: New owners must re-register the building and pay all outstanding fees and obtain permission for occupancy.

Written permission from the City of Saint Paul is required before a Cat 2 or Cat 3 VB can be sold.

Cat. 2 ☐: Requirements include: 1. register/re-register the building, 2. Pay outstanding fees, 3. obtain a code compliance report, 4. submit for approval a rehab cost estimate from a licensed contractor and a schedule for completion of all code compliance work, 5. submit proof of financial responsibility acceptable to the City.

Cat. 3 ☐: All above requirements AND obtain a Certificate of Occupancy or Certificate of Code Compliance before sale.

***NOTICE:** A VB status and/or category can change at any time. You must contact the City's Vacant Buildings division at 651-266-1900 to be sure you are fully informed of all the conditions and requirements that may affect the sale of this property.

☐ **IS** located within a Saint Paul **Heritage Preservation District** or is individually designated as a Saint Paul Heritage Preservation site. Review and approval of exterior work (excluding painting), modifications, additions and demolition is required by the Heritage Preservation Commission and city staff. For questions regarding Heritage Preservation call the City's Information line at **651-266-8989**.

☐ **HAS Open permits.** Go to the DSI website (see below), click on "**Look Up Property Information**" to view information. Completion and/or occupancy restrictions or requirements may apply. Call **651-266-9090** for permit information.

☐ **IS a Verified Legal Duplex.** If this dwelling is in use as a duplex and this box is not checked, contact **DSI Zoning** at **651-266-9008** for the most recent information. Research into a property's history may incur a fee.

You may obtain a printout of all this information by visiting the DSI website, then enter the property address as directed: **www.stpaul.gov > Government > Department of Safety & Inspections, then click on "Look Up Property Information"**

This Report:

1. is intended to provide basic information to the home buyer and seller prior to the time of sale. This report WILL NOT be used to enforce the requirements of the Legislative Code; however, this evaluation form will be used by the Fire Department to determine if there is compliance with the requirements for a hard-wired smoke detectors.
2. is based on the current Truth-in-Sale of Housing Evaluator Guidelines and is based upon different standards than the lender, Federal Housing Administration (FHA) or Veterans Administration (VA).
3. is not warranted, by the City of Saint Paul nor by the evaluator for the condition of the building component, nor of the accuracy of this report.
4. covers only the items listed on the form and only those items visible at the time of the evaluation. The Evaluator is not required to operate the heating plant (except during the heating season), use a ladder to observe the condition of the roofing, disassemble items or evaluate inaccessible areas.
5. is valid for one year from the date of issue and only for the owner named on this report.

Questions regarding this report should be directed to the evaluator. Complaints regarding this report should be directed to Department of Safety and Inspections, Truth-in-Sale of Housing Program, Phone No. 651-266-1900.

EVALUATOR: Scott Hansing PHONE: 952-707-1111 DATE: Jun 12, 2009

Rev 3/2009

Address: 476 Minnehaha Avenue East

Date: Jun 12, 2009

Page 1 of 4

Property Address: 476 Minnehaha Avenue East

Rating Key: M = Meets minimum B = Below minimum C = See Comment H = Hazardous Y = Yes N = No NV = Not Visible/Viewed NA = Not Applicable

BASEMENT/CELLAR

1. Stairs and Handrails	B
2. Basement/cellar floor	M
3. Foundation	B
4. Evidence of dampness or staining	Y
5. First floor, floor system	M
6. Beams and columns	B

Item

Comment

Specify location(s), where necessary

3/5/6. Areas not visible, finish.

1. Low headroom.
3. Spalling in areas.
4. Stains in areas, efflorescence.
6. Unapproved adjustable columns in use.

ELECTRICAL SERVICE(S) # of Services 1

7. Service size:

Amps: 30 60 100 xx 150 Other

Volts: 115 115/220

BASEMENT or METER LOCATION(S) ONLY:

8. Electrical service installation/grounding	M
9. Electrical wiring, outlets and fixtures	H

9. Missing/loose junction box covers. Exposed wiring.

PLUMBING SYSTEM

10. Floor drain(s) (basement)	M
11. Waste and vent piping (all floors)	B
12. Water piping (all floors)	M
13. Gas piping (all floors)	B
14. Water heater(s), installation	B
15. Water heater(s), venting	B
16. Plumbing fixtures (basement)	C

11. Caulked DWV piping
13. Flexible gas connector run through floor.
14. No PTR valve extension. Corrosion at supply lines.
15. Not vented to flue liner.
16. Bathroom plumbing in wall, not visible.

HEATING SYSTEM(S) # of 1

17. Heating plant(s): Type: <u>Gas</u> Fuel: <u>Boiler</u>	
a. Installation and visible condition	B
b. Viewed in operation (required in heating season)	N
c. Combustion venting	

17a. Rust at jacket. Jacket/wrap removed. Lack backflow prevention at water supply line.

The Evaluator is not required to operate the heating plant(s), except during heating season, between October 15 and April 15.

18. Additional heating unit(s) Type: <u> </u> Fuel: <u> </u>	
a. Installation and visible condition	
b. Viewed in operation	
c. Combustion venting	

19. ADDITIONAL COMMENTS (1 through 18)

Property Address: 476 Minnehaha Avenue East

Rating Key: M = Meets minimum B = Below minimum C = See Comment H = Hazardous Y = Yes N = No NV = Not Visible/Viewed NA = Not Applicable

Where there are multiple rooms to a category, the Evaluator must specify the room to which a Comment is related.

KITCHEN

20. Walls and ceiling	M
21. Floor condition and ceiling height	M
22. Evidence of dampness or staining	N
23. Electrical outlets and fixtures	M
24. Plumbing fixtures	B
25. Water flow	C
26. Window size/openable area/mechanical exhaust	M
27. Condition of windows/doors/mech. exhaust	M

Item # Comment

24. Siphon leg at sink. (C) Water off, no tests.
25. Water off, no tests.

LIVING AND DINING ROOM(S)

28. Walls and ceiling	M
29. Floor condition and ceiling height	M
30. Evidence of dampness or staining	N
31. Electrical outlets and fixtures	B
32. Window size and openable area	M
33. Window and door condition	M

31. Reverse polarity outlets.

HALLWAYS, STAIRS AND ENTRIES

34. Walls, ceilings, floors	M
35. Evidence of dampness or staining	N
36. Stairs and handrails to upper floors	B
37. Electrical outlets and fixtures	M
38. Window and door condition	M
39. Smoke detector(s)	Y
Properly located	Y/B
* Hard-Wired (HWSD)	* Y

36. Short/detached handrail(s). Treads under 9." Short/low handrail to expansion.

39. No smoke detector at expansion level.

*if N or H in a single family home then SPFire Dept requires HWSD installation

BATHROOM(S)

40. Walls and ceiling	B
41. Floor condition and ceiling height	M
42. Evidence of dampness or staining	N
43. Electrical outlets and fixtures	B
44. Plumbing fixtures	B
45. Water flow	C
46. Window size/openable area/mechanical exhaust	M
47. Condition of windows/doors/mech. exhaust	M

40. Wall damage.

43. Damaged GFCI outlet. 2nd outlet not GFCI protected.
GFCI outlet not grounded and marked as such.
44. Damaged wood within surround. Unsanitary conditions. (C) Water off, no tests.
45. Water off, no tests.

SLEEPING ROOM(S)

48. Walls and ceiling	M
49. Floor condition and ceiling height	M
50. Evidence of dampness or staining	N
51. Electrical outlets and fixtures	B/H
52. Window size and openable area	M
53. Window and door condition	M

51. (B) No power to some outlets. (H) Open grounds at outlets.

ENCLOSED PORCHES AND OTHER ROOMS

54. Walls, ceiling, and floor, condition	
55. Evidence of dampness or staining	
56. Electrical outlets and fixtures	
57. Window and door condition	

ATTIC SPACE (Visible Areas)

58. Roof boards and rafters	C
59. Evidence of dampness or staining	N
60. Electrical wiring/outlets/fixtures	M
61. Ventilation	Y
62. ADDITIONAL COMMENTS (20 through 61)	
CO Detector information reported here	

- 58-61. Kneewalls only. Insulation at rafters.

EVALUATOR: Scott Hansing

DATE: Jun 12, 2009

Page 3 of 4
Rev 3/2009

Property Address: 476 Minnehaha Avenue East

Rating Key: M = Meets minimum B = Below minimum C = See Comment H = Hazardous Y = Yes N = No NV = Not Visible/Viewed NA = Not Applicable

Item # **Comment**

EXTERIOR (Visible Areas)

63. Foundation	M
64. Basement/cellar windows	C
65. Drainage (grade)	M
66. Exterior walls	B
67. Doors (frames/storms/screens)	M
68. Windows (frames/storms/screens)	B
69. Open porches, stairways and decks	B
70. Cornice and trim	B
71. Roof structure and covering	C
72. Gutters and downspouts	M
73. Chimneys	B
74. Outlets, fixtures and service entrance	M

64. Boarded.
66. Damaged stucco. Cracks.
68. Peeling paint/putty in areas. Missing sash cords in areas. Missing sashes.
69. Front porch/raised patio structure is settled. Side porch is settled. Non-gripable handrail.
70. Peeling paint. Soffit damage.
71. Areas not visible from ground.
73. Missing mortar. No metal liner visible from ground.

GARAGE(S) / ACCESSORY STRUCTURE(S)

75. Roof structure and covering	-
76. Wall structure and covering	-
77. Slab condition	-
78. Garage door(s)	-
79. Garage opener(s) - (see important notice #6)	-
80. Electrical wiring, outlets and fixtures	-
81. ADDITIONAL COMMENTS (63 through 80)	-

FIREPLACE/WOODSTOVES # of

82. Dampers installed in fireplaces	-
83. Installation	-
84. Condition	-

.....
SUPPLEMENTAL INFORMATION - No determination is made whether items meet minimum standards (Y/N, NA, NV, only)

INSULATION	Y/N	Type	Inches/Depth
85. Attic Insulation	Y	Fiberglass	3
86. Foundation Insulation	NV		
87. Knee Wall Insulation	N		
88. Rim Joist Insulation	N		

89. ADDITIONAL COMMENTS (82 through 88)

I hereby certify I prepared this report in compliance with the Saint Paul Evaluator Guidelines and all other applicable policies and procedures of the Truth-in-Sale of Housing Board. I have utilized reasonable and ordinary care and diligence and I have noted all conditions found that do not conform to the minimum standards of maintenance.

Scott Hansing

952-707-1111

Jun 12, 2009

Evaluator Signature

Phone Number

Date

Printed Name: Scott Hansing

Page 4 of 4

Rev 3/2009

IMPORTANT NOTICES

1. All single family residences in Saint Paul must have at least one smoke detector connected to the electrical system (hard-wired). The detector must be located near sleeping rooms. For more information call Fire Prevention, 651-266-9090. (Saint Paul Legislative Code, Chapter 58.)
2. Rainleaders connected to the sanitary sewer system must be disconnected. For more information call Public Works, Sewer Utility, (651) 266-6234.
3. A house built before 1978 may have lead paint on/in it. If children ingest lead paint, they can be poisoned. For more information call Ramsey County Public Health, 651-266-1199.
4. Neither the City of Saint Paul nor the Evaluator is responsible for the determination of the presence of airborne particles such as asbestos, noxious gases such as radon, or other conditions of air quality that may be present, nor the conditions which may cause the above.
5. If this building is used for any purpose other than a single family dwelling, it may be illegally zoned. To help you determine legal uses under the zoning ordinance, contact the Zoning Administrator at 651-266-9008.
6. An automatic garage door should reverse upon striking an object. If it does not reverse it poses a serious hazard and should be immediately repaired or replaced.

Color and Material Schedule

Project Address: 476 Minnehaha Ave East Saint Paul

Contractor:

	Location	Description	Manufacturer	Finish	Color	Notes
Lighting	Hall, Closet (5)	2-Light Flush Mount	Twin Pack, 15"		Nickel, satin	at Menards
	Bathroom	3-Light Vanity	Royce Lighting, Carleton, RV5209ES3		Pewter	at Menards
	Entry Hall, Dining Room (2)	3 Light Chandelier	Royce Lighting, Carleton, RC5209ES3		Pewter	at Menards
	Kitchen (2)	Recessed Can above sink	Air Tight fixture with CFL		White	at Menards
	Kitchen (2)	3-Light Flush Mount	Royce Lighting, Carleton, RFM5209ES		Pewter	at Menards
	Kitchen (2)	Mini Pendant	Royce Lighting, Carleton, RMP5209ES1		Pewter	at Menards
	Bedrooms (4)	2-Light Flush Mount	Royce Lighting, Carleton, RFM5209ES		Pewter	at Menards
	Side Entry, Garage (2)	Motion Security Light	DualBrite 300 watt		White	at Menards
	Front Entry Porch	Two Flush Mount	Mission, Patriot Lighting #of2739cu		Bronze	at Menards
	Outlet and Switchplate Covers					
Plumbing Fixtures	Kitchen	Kitchen Faucet	Moen, Model: 7825		Chrome	at Menards
	Kitchen	Kitchen Sink	Moen, 33"X22"X8" Model 2212		Stainless	at Menards
	Bathroom	Bathroom Faucet	Moen, High Arc CA84003CBN		Nickel	at Menards
	Bathroom	Recessed Oval Bowl Vanity Top	Imperial Marble, RCxx22SPW		White	at Menards
	Bathroom	Toilet	Mansfield, ProFit 3, Elongated Front, ADA		White	at Menards
	Bathroom	Shower/Tub	Existing			
	Bathroom	Shower Faucet	Moen, 82008BRB		Nickel	at Menards
Casework and Furnishings	Kitchen	Kitchen Cabinets	Schock, Pleasant Hill, full overlay flat door and drawer	See Plan	Natural	Maple cabinet
	Kitchen	Kitchen Cabinet Hardware	Schrock Hardware, Model Pull H63 for drawers and doors		Brushed Nickel	at Menards or Home Depot
	Kitchen	Kitchen Counter Top	WilsonArt, Canyon Black #1755-1		Black Canyon	at Menards
	Bathroom	Bathroom Vanity	Pace, Meadowood Maple		Natural	at Menards
	Bathroom	Medicine Cabinet	Pace, Model: SMC-2530		Meadowood Maple	at Menards
	Bathroom	Vanity Hardware	Schrock Hardware, Model Pull H63 for drawers and doors		Brushed Nickel	at Menards or Home Depot
	Bathroom	Toilet Topper	Pace, Model: MOJ-2430-MDW		Meadowood Maple	at Menards
	Bathroom	Towel Bar (2 Total)	Moen, Model # DN6818xx		Brushed Nickel	at Menards
	Bathroom	Toilet Paper Holder	Moen, Model # DN6808xx		Brushed Nickel	at Menards
	Bathroom, Toilet Room (2)	Hand Towel Ring	Moen, Model # DN6886xx		Brushed Nickel	at Menards
	Bathroom	Curved Shower Rod	Moen, Model # DN2160xx		Brushed Nickel	at Menards
Coatings	Walls Throughout (except parlor bathroom and kitchen)	Wall Paint	Sherwin Williams No VOC, SW 6154	flat	Nacre	Knock Down Finish
	Walls Kitchen & Bathroom	Wall Paint	Sherwin Williams No VOC, SW 6154	eggshell	Nacre	
	Walls- Parlor	Wall Paint	Sherwin Williams No VOC, SW 7036	eggshell	Accessible Beige	
	Ceiling Throughout (except kitchen and bathroom)	Ceiling Paint	Sherwin Williams, Ceiling White, No VOC	flat	ceiling white	Knock Down Finish
	Ceiling Kitchen and Bath	Ceiling Paint	Sherwin Williams No VOC	eggshell	ceiling white	
	Trim Throughout	Trim	Minwax Low VOC stain	match exist	match existing	
	Basement stairs		Paint to match concrete floor grey.			

Flooring	Living, Entry, Dining, Bedrooms, Hall (Kitchen - Alternate #1)	Refinished Wood				
	Closets	Carpet	Shaw Anso Yarn Texture Serenity Garden: Tufted, nylon.			
	Bathroom - Floor	Ceramic Tile	American Olean Midwest, Shadow Bay		Beach Sand SH51	at American Olean
	Bathroom - Walls	Ceramic Tile	American Olean Midwest			at American Olean
Appliances	Kitchen	Range	FFGF3053LS Frigidaire 30" Free-standing, Self Clean, Clock		black or stainless	
	Kitchen	Microhood	FFMV162LS Over the Range Micro/Hood, to be vented to exterior		black or stainless	
	Kitchen	Refrigerator	FFHT2126LS/K Energy Star Rated 21 cu ft top mounted, with icemaker		black or stainless	
	Kitchen	Dishwasher	FGHD2433KF Energy Star 24" Built-in Dishwasher, including dishwasher cord.		black or stainless	
	Laundry	Washer	FAFW3801LW Energy Star Residential Front Load Washer		white	
	Laundry	Dryer	FAQG7001LW Residential Gas Dryer		white	
Doors	Front Entry Porch & Side Entry (2)	Storm Door	Larson		white	at Menards
	Side Entry	Entry Doors with Sidelites	Mastercraft E-1. See drawings.		white	at Menards
	Garage	Steel Entry Door	Mastercraft E-1 Prehung, Six Panel, Steel, Insulated		white	at Menards
	Overhead Door	Aluminum	MDP38, Raised Panel, Insulated, 7'x16'		white	at Menards
	Interior doors-Second Floor	Bedrooms, Bathroom and Closets	Existing			
	Interior doors-First Floor	Stair, Cloest and Toilet Room	Existing			
	Exterior Door Hardware	Exterior Doors	Schlage Avanti, Model 221-409x			
	Interior Door Hardware	Interior Doors	Schlage Avanti, Model 221-389x			
	Windows	Vinyl, Thermal Pane, LoE	Great Lakes Uniframe or equal		white	
Exterior Finishes	Roof-House & Garage	Asphalt shingles	GAF Elk 30 year HD shingle		Weathered Wood	
	Exterior Siding	Paint - LP SmartSide	Sherwin Williams		To be Selected	
	Exterior Trim, Including Door & Window	Paint - LP SmartSide	Sherwin Williams		White	
	Soffit/Fascia	Paint - Existing	Sherwin Williams		White	
	Deck/Porch	Stain color	Minwax Low VOC stain		Charcoal Grey	
	Gutters/Downspouts	White - Prefinish Aluminum	Edco			at United Products